# End of Result Set

Generate Collection

L1: Entry 1 of 1

File: USPT

Mar 4, 2003

US-PAT-NO: 6528066

DOCUMENT-IDENTIFIER: US 6528066 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Variant varicella-zoster viruses and methods of use

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Grose; Charles F. Iowa City IA
Santos; Richard Iowa City IA

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

University of Iowa Research Foundation Iowa City IA 02

APPL-NO: 09/661596 [PALM]
DATE FILED: September 14, 2000

PARENT-CASE:

CONTINUING APPLICATION DATA This application claims the benefit of U.S. Provisional Application Ser. No. 60/153,779, filed Sep. 14, 1999, which is incorporated by reference herein.

INT-CL: [07] A61 K 39/245, A61 K 39/12

US-CL-ISSUED: 424/229.1; 424/230.1, 424/204.1, 435/91.1, 435/91.33, 435/89,

536/23.72

US-CL-CURRENT: 424/229.1; 424/204.1, 424/230.1, 435/89, 435/91.1, 435/91.33,

536/23.72

FIELD-OF-SEARCH: 435/89, 435/91.1, 435/91.33, 424/229.1, 424/230.1, 424/204.1,

536/23.72

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL

Res. 96832 -96852

9/23/03 4:29 PM

/368

#### OTHER PUBLICATIONS

- A. M. Arvin et al., "Live Attenuated Varicella Vaccine," Annu. Rev. Microbiol., 50, 59-100 (1996).
- A. M. Arvin et al., "Immunity to Varicella-Zoster Viral Glycoproteins, gp I (gp 90/58) and gp III (gp 118), and to a Nonglycosylated Protein, p. 170," J. Immunol., 137, 1346-1351 (1986).
- ATCC CCL-171, "Homo sapiens (human)," [online]. Retrieved on May 16, 2001. Retrieved from the Internet: ATCC VR-568, "Varicella-Zoster," [online]. Retrieved on Jun. 5, 2001. Retrieved from the Internet: , 2 pages.
- ATCC VR-795, "Varicella-Zoster deposited as Varicella," [online]. Retrieved on May 16, 2001. Retrieved from the Internet: , 2 pages.
- ATCC VRL-1367, "Varicella-Zoster," [online]. Retrieved on Jun. 5, 2001. Retrieved from the Internet: , 2 pages.
- M. F. Bachman et al., "The influence of Antigen Organization on B Cell Responsiveness," Science, 262, 1448-1451 (1993).
- R. E. Bergen et al., "Human T Cells Recognize Multiple Epitopes of an Immediate Early/Tegument Protein (IE62) and Glycoprotein I of Varicella Zoster Virus," Viral Immunol., 4, 151-166 (1991).
- J.I. Cohen et al., "Generation of varicella-zoster virus (VZV) and viral mutants from cosmid DNAs: VZV thymidylate synthetase is not essential for replication in vitro," Proc. Natl. Acad. Sci. USA, 90, 7376-7380 (1993).
- N. L. Cole et al., "Colchicine treatment in the preparation of varicella-zoster virus inocula," J. Virol. Methods, 36, 111-118 (1992).
- A.J. Davison et al., "The Complete DNA Sequence of Varicella-Zoster Virus," J. Gen. Virol., 67, 1759-1816 (1986).
- K. S. Dingwell et al., "Herpes simplex virus glycoproteins E and I facilitate cell-to-cell spread in vivo across junctions of cultured cells," J. Virol., 68 834-845 (1994).
- K. M. Duus et al., "Cell Surface Expression and Fusion by the Varicella-Zoster Virus gH:gL Glycoprotein Complex: Analysis by Laser Scanning Confocal Microscopy," Virology, 210, 429-440 (1995).
- K. M. Duus et al., "Multiple Regulatory Effects of Varicella-Zoster Virus (VZV) gL on Trafficking Patterns and Fusogenic Properties of VZV gH," J. Virol., 70, 8961-8971 (1996).
- J. R. Ecker et al., "Varicella zoster virus DNA exists as two isomers," Proc. Natl. Acad. Sci. USA, 79, 156-160 (1982).
- Frank et al., "Brainvox: An Interactive, Multimodal Visualization and Analysis System for Neuroanatomical Imaging," Neuroimage, 5, 13-30 (1997).
- T. Gojobori et al., "Rates of evolution of the retroviral oncogene of Maloney murine sarcoma virus and of its cellular homologues," Proc. Natl. Acad. Sci. USA, 82, 4198-4201 (1985).
- P. R. Kinchington et al., "Regulated Nuclear Localization of the Varicella-Zoster Virus Major Regulatory Protein, IE62," J. Infect. Dis., 178(Suppl. 1), S16-21 (1998).
- P. R. Kinchington et al., "Molecular basis for a geographic variation of varicella-zoster virus recognized by a peptide antibody," Neurology, 45 (Suppl 8), S13-14 (1995).
- P. LaRussa et al., "Restriction fragment length polymorphism of polymerase chain reaction products from vaccine and wild-type varicella-zoster virus isolates," J. Virol., 66, 1016-1020 (1992).
- V. Litwin et al., "Receptor Properties of Two Varicella-Zoster Virus Glycoproteins, qpI and qpIV, Homologous to Herpes Simplex Virus qE and qI," J. Virol., 66,

- 3643-3651 (1992).
- V. Litwin et al., "Cell Surface Expression of the Varicella-Zoster Virus Glycoproteins and Fc Receptor," Virology, 178, 263-272 (1990).
- S. Mallory et al., "Mutational Analysis of the Role of Glycoprotein I in Varicella-Zoster Virus Replication and Its Effects on Glycoprotein E Conformation and Trafficking," J. Virol., 71, 8279-8288 (1997).
- D. J. McGeoch et al., "Molecular phylogeny of the alphaherpesvirinae subfamily and a proposed evolutionary timescale," J. Mol. Biol., 238, 9-22 (1994).
- D. J. McGeoch et al., "Molecular phylogeny and evolutionary timescale for the family of mammalian herpesviruses," J. Mol. Biol., 257, 443-458 (1995).
- J. F. Moffat et al., "Tropism of Varicella-Zoster Virus for Human CD4.sup.+ and CD8.sup.+ T Lymphocytes and Epidermal Cells in SCID-hu Mice," J. Virol., 69, 5236-5242 (1995).
- J. F. Moffat et al., "Attenuation of the Vaccine Oka Strain of Varicella-Zoster Virus and Role of Glycoprotein C in Alphaherpesvirus Virulence Demonstrated in the SCID-hu Mouse," J. Virol., 72, 965-974 (1998).
- E. A. Montalvo et al., "Assembly and Processing of the Disulfide-Linked Varicella-Zoster Virus Glycoprotein gpII(140)," J. Virol., 61, 2877-2884 (1987). National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, Genbank X04370. Accession No. X04370 M14891 M16612, "The complete DNA sequence of varicella-zoster virus," [online]. J. Gen. Virol., 67 (Pt 9) 1759-1816 (1986), [retrieved on May 29, 2001]. Retrieved from the Internet: 39 pages.
- T. I. Ng et al., "Phosphorylation of Varicella-Zoster Virus Open Reading Frame (ORF) 62 Regulatory Product by Viral ORF 47-Associated Protein Kinase," J. Virol., 68, 1350-1359 (1994).
- N. Nishimura et al., "A Di-Acidic Signal Required for Selective Export from the Endoplasmic Reticulum", Science, 277, 556-560 (1997).
- J. K. Olson et al., "Complex formation facilitates endocytosis of the varicella-zoster virus gE:gI Fc receptor," J. Virol., 72, 1542-1551 (1998).
- J. K. Olson et al., "Varicella-Zoster Virus Fc Receptor gE Glycoprotein: Serine/Threonine and Tyrosine Phosphorylation of Monomeric and Dimeric Forms," J. Virol., 71, 110-119 (1997).
- J. K. Olson et al., "Endocytosis and Recycling of Varicella-Zoster Virus Fc Receptor Glycoprotein gE: Internalization Mediated by a YXXL Motif in the Cytoplasmic Tail," J. Virol., 71, 4042-4054 (1992).
- J. A. Padilla et al, "High-resolution immuno-scanning electron microscopy using a non-coating method: study of herpes simplex virus glycoproteins on the surface of virus particles and infected cells," J. Elect. Microscopy, 46, 171-180 (1997).

  B. Rentier, "Introduction", Neurol., 45(Suppl 8), S8 (1995).
- J. E. Rodriguez et al., "Entry and egress of varicella virus blocked by same anti-gH monoclonal antibody," Virology, 196, 840-844 (1993).
- J. Sambrook et al, Molecular Cloning: A Laboratory Manual., Second Edition, Cold Spring Harbor Laboratory Press (1989), (Cover Page, publication page and table of contents).
- R. A. Santos et al., "Varicella-Zoster Virus gE Escape Mutant VZV-MSP Exhibits an Accelerated Cell-to-Cell Spread Phenotype in both Infected Cell Cultures and SCID-hu Mice," Virology, 275, 306-317 (Sep., 2000).
- R. A. Santos et al., "Antigenic Variation of Varicella Zoster Virus Fc Receptor gE: Loss of a Major B Cell Epitope in the Ectodomain," Virology, 249, 21-31 (1998).
- T. Shioda et al., "Small amino acid changes in V3 hypervariable region of gpl20 can affect the T-cell-line and macrophage tropism of human immunodeficiency virus type 1," Proc. Natl. Acad. Sci. USA, 89, 9434-9438 (1992).
- F. I. Smith et al., "Variation in influenza virus genes epidemiological, pathogenic and evolutionary consequences", The Influenza Virues, (R.M. Krug, Ed.), 319-359. Plenum Press, New York (1989).
- P. G. Spear, "Glycoproteins Specified by Herpes Simplex Viruses," The Herpesviruses, 3, (B. Roizman, Ed.), 315-356, Plenum Press, New York (1985).
- E. Szomolanyi-Tsuda et al., "T cell-independent antibody-mediated clearance of polyoma virus in T cell-deficient mice," J. Exp. Med., 183, 403-411 (1996).

  M. Takabashi et al., "Development of a Live Attenuated Varicella Vaccine," Biken J.
- M. Takahashi et al., "Development of a Live Attenuated Varicella Vaccine," Biken J.,  $18,\ 25-33\ (1975)$ .
- T. A. Tatusova, et al. "Blast 2 Sequences, a new tool for comparing protein and nucleotide sequences," FEMS Microbiol Lett, 174, 247-250 (1999), and available at http://www.ncbi.nlm.nih.gov/gorf/bl2.html.

9/23/03 4:29 PM

- U.S. National Institutes of Health, "About NIH Image," [online]. Retrieved on May 29, 2001. Retrieved from the Internet: K. A. Weigle et al., "Common expression of varicella-zoster virual glycoprotein antigens in vitro and in chickenpox and zoster vesicles," J. Infect. Dis., 148, 630-638 (1983).
- T. H. Weller, "Serial propagation in vitro of agents producing inclusion bodies derived from varicella and herpes zoster," Proc. Soc. Exp. Biol. Med., 83, 340-346 (1953).
- S. A. Wharton et al., "Structure, function, and antigenicity of the hemagglutinin of influenza viruses," The Influenza Viruses, (R. M. Krug. Ed.), 153-171. Plenum Press, New York (1989).
- M. Yang et al., "Retrograde, Transneuronal Spread of Pseudorabies Virus in Defined Neuronal Circuitry of the Rat Brain is Facilitated by gE Mutations that Reduce Virulence," J. Virol., 73, 4350-4359 (May, 1999).
- Z. Yao et al., "Varicella-Zoster Virus Glycoprotein gpI/gpIV Receptor: Expression, Complex Formation, and Antigenicity within the Vaccinia Virus-T7 RNA polymerase Transfection System," J. Virol., 67, 305-314 (1993).
- Z. Zhu et al, "Targeting of glycoprotein I (GE) of varicella-zoster virus to the trans-Golgi network by an AyRV sequence and an acidic amino acid-rich patch in the cytosolic domain of the molecule," J. Virol., 70, 6563-6575 (1996).
- Z. Zhu et al., "Envelopment of varicella-zoster virus: targeting of viral glycoproteins to the trans-Golgi network," J. Virol., 69 7951-7959 (1995).
- F. L. Graham et al., "Characteristics of a Human Cell Line Transformed by DNA from Human Adenovirus Type 5," J. Gen. Virol., 36, 59-74 (1977).
- C. Grose et al., "Computer modeling of prototypic and aberrant nucleocapsids of varicella-zoster virus," Virology, 214, 321-329 (1995).
- C. Grose, "Glycoproteins Encoded by Varicella-Zoster Virus: Biosynthesis, Phosphorylation, and Intracellular Trafficking," Annu.Rev. Microbiol., 44, 59-80 (1990).
- C. Grose, "Pathogenesis of Infection with Varicella Vaccine," Infect. Dis. Clinics NA, 10, 489-505 (1996).
- C. Grose et al., "Varicella-Zoster Virus: Isolation and Propagation in Human Melanoma Cells at 36 and 32.degree. C.," Infect. Immun., 19, 199-203 (1978).
- C. Grose et al., "Monoclonal Antibodies Against Three Major Glycoproteins of Varicella-Zoster Virus," Infect. Immun., ', 381-388 (1983).
- C. Grose, "The Synthesis of Glycoproteins in Human Melanoma Cells Infected with Varicella-Zoster Virus," Virology, 101: 1-9 (1980).
- B. H. Hahn et al., "Genetic variation in HTLV-III/LAV over time in patients with AIDS or at risk for AIDS," Science, 232, 1548-1553 (1986).
- R. Harson et al., "Egress of Varicella-Zoster Virus from the Melanoma Cell: a Tropism for the Melanocyte," J. Virol., 69, 4994-5010 (1995).
- C. Hatfield et al., "Epitope Mapping and Tagging by Recombination PCR Mutagenesis," BioTechniques, 22, 332-337 (1997).
- J. Holland et al., "Rapid evolution of RNA genomes, "Science, 215, 1577-1585 (1982). M. Ito et al., "Human Leukocytes Kill Varicella-Zoster Virus-Infected Fibroblasts in the Presence of Murine Monoclonal Antibodies to Virus-Specific Glycoproteins," J. Virol., 54, 98-103 (1985).
- D. H. Jones et al., "A Rapid Method for Site-Specific Mutagenesis and Directional Subcloning by Using the Polymerase Chain Reaction to Generate Recombinant Circles," BioTechniques, 8, 178-183 (1990).
- F. Jones et al., "Role of cytoplasmic vacuoles in varicella-zoster virus glycoprotein trafficking and virion envelopment," J. Virol., 62, 2701-2711 (1988).
- P. R. Kinchington et al., "Regulated Nuclear Localization of the Varicella-Zoster Virus Major Regulatory Protein, IE62, " J. Infect. Dis., 178 (Suppl. 1), S16-21 (1998).
- P. R. Kinchington et al., "Molecular basis for a geographic variation of varicella-zoster virus recognized by a peptide antibody," Neurology, 45 (Suppl 8), S16-21 (1995).
- P. LaRussa et al., "Restriction fragment length polymorphism of polymerase chain reaction products from vaccine and wild-type varicella-zoster virus isolates," J. Virol., 66, 1016-1020 (1992).
- V. Litwin et al., "Receptor Properties of Two Varicella-Zoster Virus Glycoproteins, gpI and gpIV, Homologous to Herpes Simplex Virus gE and gI," J. Virol., 66, 3643-3651 (1992).
- V. Litwin et al., "Cell Surface Expression of the Varicella-Zoster Virus Glycoproteins and Fc Receptor," Virology, 178, 263-272 (1990).

- S. Mallory et al., "Mutational Analysis of the Role of Glycoprotein E Confirmation and Trafficking, " J. Virol., 71, 8279-8288 (1997).
- D. J. McGeoch et al., "Molecular phylogeny of the alphaherpesvirinae subfamily and a proposed evolutionary timescale," J. Mol. Biol., 238, 9-22 (1994).
- D. J. McGeoch et al., "Molecular phylogeny and evolutionary timescale for the family of mammalian herpesviruses," J. Mol. Biol., 247, 443-458 (1995).
- J. F. Moffat et al., "Tropism of Varicella-Zoster Virus for Human CD4.sup.+ and CD8.sup.+ T Lymphocytes and Epidermal Cells in SCID-hu Mice," J. Virol., 69, 5236-5242 (1995).
- J. F. Moffat et al., "Attenuation of the Vaccine Oka Strain of Varicella-Zoster Virus and Role of Glycoprotein C in Alphaherpesvirus Virulence Demonstrated in the SCID-hu Mouse," J. Virol. , 72, 965-974 (1998).
- E. A, Montalvo et al., "Assembly and Processing of the Disulfide-Linked Varicella-Zoster Virus Glycoprotein gpII(140)," J. Virol., 61, 2877-2884 (1987). National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, Genbank X04370. Accession Number X04370 M14891 M16612, "The complete DNA sequence of varicella-zoster virus," [online]. J. Gen. Virol., 67 (Pt 9) 1759-1816 (1986), [retrieved on May 29, 2001]. Retrieved from the Internet: T. I. Ng et al., "Phosphorylation of Varicella-Zoster Virus Open Reading Frame (ORF) 62 Regulatory Product by Viral ORF 47-Associated Protein Kinase," J. Virol., 68, 1350-1359 (1994).
- N. Nishimura et al., "A Di-Acidic Signal Required for Selective Export from the Endoplasmic Reticulum", Science, 277, 556-560 (1997).
- J. K. Olson et al., "Complex formation facilitates endocytosis of the varicella-zoster virus gE:gI Fc receptor," J. Virol., 72, 1542-1551 (1998).
- J. K. Olson et al., "Varicella-Zoster Virus Fc Receptor gE Glycoprotein: Serine/Threonine and Tyrosine Phosphorylation of Monomeric and Dimeric Forms," J. Virol., 71, 110-119; (1997).
- J. K. Olson et al., "Endocytosis and Recycling of Varicella-Zoster Virus Fc Receptor Glycoprotein gE: Internalization Mediated by a YXXL Motif in the Cytoplasmic Tail," J. Virol., 71, 4042-4054 (1992).
- J. A. Padilla et al, "High-resolution immuno-scanning electron microscopy using a non-coating method: study of herpes simplex virus glycoproteins on the surface of virus particles and infected cells," J. Elect. Microscopy, 46, 171-180 (1997).

  B. Rentier, "Introduction", Neurol., 45(Suppl. 8), S8 (1995).
- J. E. Rodriguez et al., "Entry and egress of varicella virus blocked by same anti-gH monoclonal antibody," Virology, 196, 840-844 (1993).
- J. Sambrook et al, Molecular Cloning: A Laboratory Manual., Second Edition, Cold Spring Harbor Laboratory Press (1989), (Cover Page, publication page and table of contents).
- R. A. Santos et al., "Varicella-Zoster Virus gE Escape Mutant VZV-MSP Exhibits and Accelerated Cell-to-Cell Spread Phenotype in both Infected Cell Cultures and SCID-hu Mice," Virology, 275, 306-317 (Sep., 2000).
- R. A. Santos et al., "Antigenic Variation of Varicella Zoster Virus Fc Receptor gE: Loss of a Major B Cell Epitope in the Ectodomain," Virology, 249, 21-31 (1998). T. Shioda et al., "Small amino acid changes in V3 hypervariable region of gp120 can affect the T-cell-line and macrophage tropism of human immunodeficiency virus type 1," Proc. Natl. Acad. Sci. USA, 89, 9434-9438 (1992).
- F. I. Smith et al., "Variation in influenza virus genes epidemiological, pathogenic, and evolutionary consequences", The Influenza Virues, (R.M. Krug. Ed.), 319-359. Plenum Press, New York (1989).
- P. G. Spear, "Glycoproteins Specified by Herpes Simplex Viruses," The Herpesviruses, 3, (B. Roizman, Ed.). 315-356. Plenum Press, New York (1985).
- E. Szomolanyi-Tsuda et al., "T cell-independent antibody-mediated clearance of polyoma virus in T cell-deficient mice," J. Exp. Med., 183, 403-411 (1996).
- M. Takahashi et al., "Development of a Live Attenuated Varicella Vaccine," Biken J.,  $18,\ 25-33\ (1975)$ .
- T. A. Tatusova, et al., "BLAST 2 SEQUENCES, a new tool for comparing protein and necleotide sequences," FEMS Microbial Lett, 174, 247-250 (1999), and available at http://www.ncbi.nlm.nih.gov/gorf/bl2.html.
- U.S. National Institutes of Health, "About NIH Image," [online]. Retrieved on May 29, 2001. Retrieved from the Internet:>URL:
- http://rsb.info.nih.gov/nih-image/about.html, 2 pages.
- K. A. Weigle et al., "Common expression of varicella-zoster viral glycoprotein antigens in vitro and in chickenpox and zoster vesicles," J. Infect. Dis., 148,

5 of 6

ົ6່30-638 (1983).

- T. H. Weller, "Serial propagation in vitro of agents producing inclusion bodies derived from varicella and herpes zoster," Proc. Soc. Exp. Biol. Med., 83340-346 (1953).
- S. A. Wharton et al., "Structure, function, and antigenicity of the hemagglutinin of influenza viruses," The Influenza Viruses, (R. M. Krug. Ed.), 153-171. Plenum Press, New York (1989).
- M. Yang et al., "Retrograde, Transneuronal Spread of Pseudorabies Virus in Defined Neuronal Circuitry of the Rat Brain is Facilitated by gE Mutations that Reduce Virulence," J. Virol., 73, 4350-4359 (May, 1999).
- Z. Yao et al., "Varicella-Zoster Virus Glycoprotein gpI/gpIV Receptor: Expression, Complex Formation, and Antigenicity within the Vaccinia Virus-T7 RNA polymerase Transfection System," J. Virol., 67, 305-314 (1993).
- Z. Zhu et al., "Targeting of glycoprotein I (gE) of varicella-zoster virus to the trans-Golgi network by an AYRV sequence and an acidic amino acid-rich patch in the cytosolic domain of the molecule," J. Virol., 70, 6563-6575 (1996).
- Z. Zhu et al., "Envelopment of varicella-zoster virus: targeting of viral glycoproteins to the trans-Golgi network," J. Virol., 69 7951-7959 (1995).

ART-UNIT: 1648

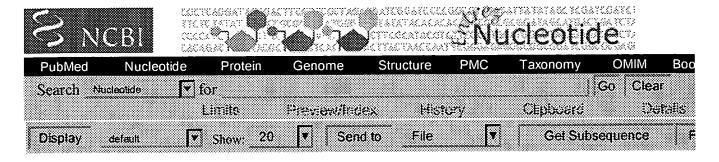
PRIMARY-EXAMINER: Salimi; Ali R.

ATTY-AGENT-FIRM: Mueting, Raasch & Gebhardt, P.A.

#### ABSTRACT:

The present invention provides methods directed to detecting antibodies that specifically bind to a varicella zoster polypeptide, detecting the presence of a varicella zoster virus in an animal, diagnosing a disease caused by varicella zoster virus, and detecting a varicella zoster virus having a single nucleotide polymorphism in ORF68. The present invention also provides a vaccine composition, a method for producing a modified attenuated varicella zoster virus, isolated polynucleotides, and isolated polypeptides, and viruses.

3 Claims, 11 Drawing figures



### **1:** <u>AR283580</u>. Sequence 76 from ...[gi:29720465]

LOCUS AR283580 124884 bp DNA linear PAT 10-APR-2003

DEFINITION Sequence 76 from patent US 6528066.

ACCESSION AR283580

VERSION AR283580.1 GI:29720465

KEYWORDS

SOURCE Unknown.
ORGANISM Unknown.

Unclassified.

REFERENCE 1 (bases 1 to 124884)
AUTHORS Grose, C.F. and Santos, R.

TITLE Variant varicella-zoster viruses and methods of use

JOURNAL Patent: US 6528066-A 76 04-MAR-2003;

FEATURES Location/Qualifiers

source 1..124884

/organism="unknown"
/mol\_type="genomic DNA"

BASE COUNT 33789 a 29295 c 28177 g 33623 t

ORIGIN

1 aggccagccc tetegeggcc ceetegagag agaaaaaaaa aagegaceec aceteeeege 61 gcgtttgcgg ggcgaccatc gggggggatg ggattttttg ccgggaaacc ccccccgcc 121 agcctttaac aaaacccgcg ccttttgcgt ccacccctcg tttactgctc ggatggcgac 181 cgtgcactac tecegeegae etgggaeece geeggteace etcaegtegt ecceeageat 241 ggatgacgtt gcgaccccca tcccctacct acccacatac gccgaggccg tggcagacgc 301 gccccccct tacagaagcc gcgagagtct ggtgttctcc ccgcctcttt ttcctcacgt 361 ggagaatggc accacccaac agtcttacga ttgcctagac tgcgcttatg atggaatcca 421 cagacttcag ctggcttttc taagaattcg caaatgctgt gtaccggctt ttttaattct 481 ttttggtatt ctcaccctta ctgctgtcgt ggtcgccatt gttgccgttt ttcccgagga 541 acctcccaac tcaactacat gaaactactg tccggaaggg gaaggtattt attctcgctt 601 gcagcttgtc gcgcgtgtat gcacaacaaa agctatatat gtcaccaaag ccaacgtcgc 661 catctggagt actacaccca gtacgttgca taacctgtcc atttgcattt tcagttgcgc 721 ggacgccttt ctccgggatc gtggccttgg gacatcaacc agtggaataa gaaccgccgg 781 tggtcttgtt tgaacgacga gtggcgacgc gttgttctgc ataagctctg tatgctgata 841 cataaacaca gagtctgtat cgctatcaga ttcccgaaca ccttccggta ccccatactc 901 cgataccctg gacattgcgg atcccaaaaa tataatatta acaggatttg cttatacttt 961 gctacagctt atataaattt atgtgcgata catcttaagt gcatccgtac gttatttata 1021 cattgcctgt cacgtgaaaa gactgtgtta cccaataaag gttctacaaa aaatgcttta 1081 ttgggtgttt gtttaatagc tattatcgta acccacccc gtaaaatcat aaaatgcatg 1141 taatttctga gacacttgca tatgggcatg ttcccgcatt tattatgggc tccactctgg 1201 tgcgtcccag tttaaacgcc accgccgagg aaaatcccgc gtcagaaacg cgatgtttat 1261 tacgagtgct tgcggggaga actgtagacc tgccaggcgg aggaacgtta cacattacct 1321 gtaccaaaac ctatgtaatt attggcaaat atagcaaacc cggcgaacgt cttagccttg 1381 cccgtctaat agggcgtgca atgacgcctg gaggtgcaag gacatttatt attttggcga 1441 tgaaggaaaa gcgatccaca acgcttgggt atgaatgtgg tacgggcttg catttactgg 1501 ctccatctat gggtacattt ctccgcacac acggtttaag taacagagat ctctgtttat 1561 ggcggggtaa tatttatgat atgcatatgc aacgtcttat gttttgggag aatatcgcgc 1621 aaaataccac tgaaacacct tgtataacgt cgacgttaac atgcaacttg acagaagact 1681 ctggtgaagc cgcacttacc acgtcagacc gacccactct cccaacccta acagcccaag 1741 gaagaccaac agtttccaac attcgtggaa tattgaaagg atccccccgt caacagccgg 1801 tctgtcaccg ggttagattt gccgaaccta cggagggcgt attgatgtaa tcactaaata 1861 aaatacacct tttttcgatt gtacgtattt ttatttaaat gtgtagttca tagtccgccg 1921 acageegete gggettttee eccacataca acatgategt atgeetegga tgeaceggte

1981						
	caacactccg	ccgagaaggg	ggatttacaa	tgacagtgat	acccaatage	cgccagatgt
2041		~		++-	aaaaaataaa	contractor
2041	acacccagct	gtccggactc	Cagcalcalc	tyctyaytty	cggcgccgaa	gggtgcattg
2101	catagggtgt	tataattagc	catttccggt	aacagtcgtt	gggaatttag	gaggctgcaa
2161	aaccactata	ggtcaacata	cattagagat	tranatoutt	tatctcgacg	treaagtrea
2101	aacggccgca	ggccaacaca	caccagagac	ccagacggcc	caccegacy	
2221	atcaaaaaag	cgtgtaaatc	atcagcccgg	ccgcatgttg	ctcgaagagc	acataacctc
2281	ttaacaccqt	acagagggga	taacatcaat	gcatgtgagt	tggcagggca	tatccacatt
		ccagtggcgg				
2401	ttcactcqqa	tgggttgact	gctttcggaa	gctcccgttg	tatccattaa	ttaaacgttc
		tggtgtgtgt				
		taatcccgcc				
2581	acatttttat	tagtctttta	ttaatataga	atcacataaa	caattgataa	aatcaaqqqq
		tgattaaaaa				
2701	ctattctaac	aggtaaatat	gcttaatgat	taaaaataca	aattagtatg	ttttgacaag
2761	catgaaaaaq	gtattttta	ttttagcagt	taaaqqtact	acacttaaaa	tatttaccgt
		gtcagaaaga				
2021	acggacgggc	gccagaaaga	tgcccggccc	aageegagag		
2881	actcgcgttg	gtgggtgatt	agggcctcta	aaacaccggc	cagacatgac	ccgggtgtat
2941	attcttqtaa	cacttgaacg	ttacaactga	tatcatcata	ttccacaaat	ttagagccac
		attagcaatg				
3061	tatcactaaa	acgttgctgg	cgcaacagtt	cggggagagt	·acgagacccc	aaatcgttgt
3121	ccctatttaa	aagaagacat	cttacaaaaq	gccccagctt	taactttaaa	ttctccaaaa
2101	atasattaas	ggttgcaaca	ataggattat	ttatataaat	aaacaaattt	tttaccacta
3241	acattttaat	ccacgttaac	agttcatccg	cagactccaa	cgcttcaatc	aaagattctc
3301	cacqtatqac	tctctcacgc	aacqcqcqqq	caatacqtqa	qtccatttta	tatqactcaa
2261	acctaccata	aagttcatgt	ccctacaaca	traactroom	ccaadatata	ttttattta
3421	tccccggaaa	acatccaccg	gaagcccatg	aatcaccctc	ttgtattgtg	gcatatcgga
		ttcaattgtt				
		gacgacttca				
3601	cttttcgaat	acgctctcgg	cgggcgtctc	tcttggaaaa	tcgcaacctg	tacgattcgt
3661	catgtgtctg	atcatttctt	tctcccataa	tcattgcagg	aggcattata	ggacgccgtc
		cagggatcga				
3781	atgatcgtcg	atgtccccgt	tcgatgcgtg	catatccagt	ctccacgtct	cttcctccat
3841	gatggtttga	atcgggtaat	acaacaacca	aagttttcgg	gcgattgtgg	tggtagcttt
		gtgccttcgt				
		agttctagac				
4021	catttqccca	atcggtgact	tccaatgcaa	agtcatccga	aggttcgtct	ggtagcaaat
		ttcacaaata				
4141	tggctgcaaa	atatctgaca	attgcgtgtt	tgcagttgcc	tgtatcttcc	gccaatgttg
4201	tagaatttat	accet cace	2200000022	+	tagtgagatg	
	layaalllal	aggeteacee	aaccccgcaa	Lyggcylgll	Lagicalaly	attaatgctt
4261						attaatgctt
	ctgggagttt	tcactttccc	caaacaagct	tacctgcacc	ctttgttcgt	aatgcataaa
4321	ctgggagttt aataaccact	tcactttccc gctatagcaa	caaacaagct atatgacgat	tacctgcacc ataaaaacat	ctttgttcgt tttatagcaa	aatgcataaa ggccggacat
4321	ctgggagttt aataaccact	tcactttccc gctatagcaa	caaacaagct atatgacgat	tacctgcacc ataaaaacat	ctttgttcgt tttatagcaa	aatgcataaa ggccggacat
4321 4381	ctgggagttt aataaccact tactgtagcg	tcactttccc gctatagcaa caacatgttg	caaacaagct atatgacgat tgcatatacc	tacctgcacc ataaaaacat acgtattccc	ctttgttcgt tttatagcaa cccgtattga	aatgcataaa ggccggacat tatgatttaa
4321 4381 4441	ctgggagttt aataaccact tactgtagcg atgattatcc	tcactttccc gctatagcaa caacatgttg ttggttggtt	caaacaagct atatgacgat tgcatatacc ttggtctaac	tacctgcacc ataaaaacat acgtattccc ataagatata	ctttgttcgt tttatagcaa cccgtattga agctctacta	aatgcataaa ggccggacat tatgatttaa tagcgagcgt
4321 4381 4441 4501	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt
4321 4381 4441 4501	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt
4321 4381 4441 4501 4561	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc
4321 4381 4441 4501 4561 4621	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt
4321 4381 4441 4501 4561 4621 4681	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aaatacttta	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag cataacaacc	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt
4321 4381 4441 4501 4561 4621 4681 4741	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aaatacttta tgtatatgg	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag cataacaacc gttacgtaat	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata
4321 4381 4441 4501 4561 4621 4681 4741	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aaatacttta tgtatatgg	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag cataacaacc gttacgtaat	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata
4321 4381 4441 4501 4561 4621 4681 4741 4801	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aaatacttta tgtatatggg tgätgtgggg	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag cataacaacc gttacgtaat ccaaacatac	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg
4321 4381 4441 4501 4561 4621 4681 4741 4801 4861	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aaatacttta tgtatatggg tgåtgtgggg tcgaaattgt	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag cataacaacc gttacgtaat ccaaacatac aaatcattt	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac
4321 4381 4441 4501 4561 4621 4681 4741 4801 4861 4921	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aaatacttta tgtatatggg tgatgtgggg tcgaaattgt gcaccaaaaa	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag cataacaacc gttacgtaat ccaaacatac aaatcattt attcgaattt	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa
4321 4381 4441 4501 4561 4621 4681 4741 4801 4861 4921	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aaatacttta tgtatatggg tgatgtgggg tcgaaattgt gcaccaaaaa	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag cataacaacc gttacgtaat ccaaacatac aaatcattt attcgaattt	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa
4321 4381 4441 4501 4561 4621 4681 4741 4801 4861 4921 4981	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aaatacttta tgtatatggg tgätgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatagg aaacttatag cataacaacc gttacgtaat ccaaacatac aaaatcattt attcgaattt aatagattt	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct
4321 4381 4441 4501 4561 4621 4681 4741 4801 4861 4921 4981 5041	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aaatacttta tgtatatggg tgätgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatagg aaacttatag cataacaacc gttacgtaat ccaaacatac aaaatcattt attcgaattt tatacaaacg	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat
4321 4381 4441 4501 4561 4621 4681 4741 4801 4861 4921 4981 5041 5101	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aaatacttta tgtatatggg tgätgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatagg aaacttatag cataacaacc gttacgtaat ccaaacatac aaaatcattt attcgaattt tatacaaacg ttacacg	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata
4321 4381 4441 4501 4561 4621 4681 4741 4801 4861 4921 4981 5041 5101	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aaatacttta tgtatatggg tgätgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatagg aaacttatag cataacaacc gttacgtaat ccaaacatac aaaatcattt attcgaattt tatacaaacg ttacacg	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata
4321 4381 4441 4501 4561 4621 4681 4741 4801 4861 4921 4981 5041 5101 5161	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatacttta tgtatatggg tgatgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgttcaaact	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac ttacacgagc	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatagg aaacttatag cataacaacc gttacgtaat ccaaacatac aaatcattt attcgaattt tttacaaacg ttaataccg agggtaaaaa	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata cagcatgtcc
4321 4381 4441 4501 4561 4621 4681 4741 4801 4921 4981 5041 5101 5161 5221	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatacttta tgtatatggg tgatgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca gctaagtaga	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgttcaaact cacataatta	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac ttacacgagc taaaatgttc	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat tgtcttgatt	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatagg aaacttatag cataacaacc gttacgtaat ccaaacatac aaatcattt attcgaattt tttacaaacg ttaataccg agggtaaaaa cctaaagcct	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata cagcatgtcc gcatgacccg
4321 4381 4441 4501 4561 4621 4681 4741 4801 4921 4981 5041 5101 5161 5221 5281	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatacttta tgtatatggg tgatgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca gctaagtaga tggaagatgg	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgttcaaact cacataatta caattcaagc	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac ttacacgagc taaaatgttc acgatgtagt	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat tgtcttgatt atcacacggt	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatag gatatatag cataacacc gttacgtaat ccaaacatac aaatcattt attcgaattt tttacaaacg ttaataccg agggtaaaaa cctaaagcct tggtgttaac	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata cagcatgtcc gcatgacccg tcgaagttaa
4321 4381 4441 4501 4561 4621 4681 4741 4801 4921 4981 5041 5101 5161 5221 5281	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatacttta tgtatatggg tgatgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca gctaagtaga tggaagatgg	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgttcaaact cacataatta	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac ttacacgagc taaaatgttc acgatgtagt	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat tgtcttgatt atcacacggt	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatag gatatatag cataacacc gttacgtaat ccaaacatac aaatcattt attcgaattt tttacaaacg ttaataccg agggtaaaaa cctaaagcct tggtgttaac	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata cagcatgtcc gcatgacccg tcgaagttaa
4321 4381 4441 4501 4561 4621 4681 4741 4801 4921 4981 5041 5101 5161 5221 5281 5341	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatacttta tgtatatggg tgätgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca gctaagtaga tggaagatgg atttggataa	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgttcaaact cacataatta caattcaagc ttatagct	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac ttacacgagc taaaatgttc acgatgtagt ctagagtaaa	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat tgtcttgatt atcacacggt gattgtatgc	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatag gatatatag cataacaacc gttacgtaat ccaaacatac aaatcattt attcgaattt tttacaaacg ttaatacacg agggtaaaaa cctaaagcct tggtgttaac atgcgattgc	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata cagcatgtcc gcatgacccg tcgaagttaa tatcgcactt
4321 4381 4441 4501 4561 4621 4681 4741 4801 4921 4981 5041 5161 5221 5281 5341 5401	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatacttta tgtatatggg tgätgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca gctaagtaga tggaagatgg atttggataa tgtagcaaaa	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgttcaaact cacataatta caattcaagc ttatgtgtg	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac ttacacgagc taaaatgttc acgatgtagt ctagagtaaa caagcgaaat	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat tgtcttgatt atcacacggt gattgtatgc acacaaacgg	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatag gatatatag cataacaacc gttacgtaat ccaaacatac aaatcattt attcgaattt tttacaaacg ttaataccg agggtaaaaa cctaaagcct tggtgttaac atgcgattgc ttgtgatgat	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata cagcatgtcc gcatgacccg tcgaagttaa tatcgcactt ccactcgcag
4321 4381 4441 4501 4561 4621 4681 4741 4801 4921 4981 5041 5161 5221 5281 5341 5401 5461	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatacttta tgtatatggg tgätgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca gctaagtaga tggaagatgg atttggataa tgtagcaaaa agacacaaat	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgttcaaact cacataatta caattcaagc ttaggtactt cacataatta caattcaagc ttaggtactt cacatggtact cacataatta cacatggtact cacatggtact cacatggtact cacatggtact cacatggtactt cattgttgtg gtccggggag	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac ttacacgagc taaaatgttc acgatgtagt ctagagtaaa caagcgaaat ccgttcttcc	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat tgtcttgatt atcacacggt gattgtatgc acacaaacgg tccgcgatgg	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatag gatatatag cataacaacc gttacgtaat ccaaacatac aaatcattt attcgaattt tttacaaacg ttaataccg agggtaaaaa cctaaagcct tggtgttaac atgcgattgc ttgtgatgat ggatatcgaa	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata cagcatgtcc gcatgacccg tcgaagttaa tatcgcactt ccactcgcag gacaagtgaa
4321 4381 4441 4501 4561 4621 4681 4741 4801 4921 4981 5041 5161 5221 5281 5341 5401 5461	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatacttta tgtatatggg tgätgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca gctaagtaga tggaagatgg atttggataa tgtagcaaaa agacacaaat	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgttcaaact cacataatta caattcaagc ttatgtgtg	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac ttacacgagc taaaatgttc acgatgtagt ctagagtaaa caagcgaaat ccgttcttcc	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat tgtcttgatt atcacacggt gattgtatgc acacaaacgg tccgcgatgg	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatag gatatatag cataacaacc gttacgtaat ccaaacatac aaatcattt attcgaattt tttacaaacg ttaataccg agggtaaaaa cctaaagcct tggtgttaac atgcgattgc ttgtgatgat ggatatcgaa	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata cagcatgtcc gcatgacccg tcgaagttaa tatcgcactt ccactcgcag gacaagtgaa
4321 4381 4441 4501 4561 4621 4681 4741 4861 4921 4981 5041 5101 5221 5341 5401 5461 5521	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatactta tgtatatggg tgätgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca gctaagtaga tggaagatgg atttggataa tgtagcaaaa agacacaaat cccttttgtt	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgttcaaact cacataatta caattcaagc ttaggtactt cattgttgtg gtccggggag ccgcatatga	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac ttacacgagc taaaatgttc acgatgtagt ctagagtaaa caagcgaaat ccgttcttcc gctgaaataa	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat tgtcttgatt atcacacggt gattgtatgc acacaaacgg tccgcgatgg cacccagtcc	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag cataacaacc gttacgtaat ccaaacatac aatcattt attcgaattt tttacaaacg ttaataccg agggtaaaaa cctaaagcct tggtgttaac atgcgattgc ttgtgatgat ggatatcgaa ctttgatgg	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata cagcatgtcc gcatgacccg tcgaagttaa tatcgcactt ccactcgcag gacaagtgaa cgatacctt
4321 4381 4441 4501 4661 4681 4741 4861 4921 4981 5041 5161 5221 5341 5461 5521 5581	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatacttta tgtatatggg tgätgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca gctaagtaga tggaagatgg atttggataa tgtagcaaaa tgtagcaaaa cccttttgtt tgatgatgtt	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgttcaaact cacataatta caattcaagc ttaggtactt cattgttgtg gtccggggag ccgcatatga aaggtatatt	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac ttacacgagc taaaatgttc acgatgtagt ctagagtaaa caagcgaaat ccgttcttcc gctgaaataa cgcgatcacg	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat tgtcttgatt atcacacggt gattgtatgc acacaaacgg tccgcgatgg cacccagtcc cccggggaaaa	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag cataacaacc gttacgtaat ccaaacatac aaatcattt attcgaattt tttacaaacg ttaataccg agggtaaaaa cctaaagcct tggtgttaac atgcgattgc ttgtgatgat ggatatcgaa ctttgatgg tgaacagcaa	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata cagcatgtcc gcatgacccg tcgaagttaa tatcgcactt ccactcgcag gacaagtgaa cgatacactt tatgctccac
4321 4381 4441 4501 4661 4681 4741 4801 4981 5041 5161 5221 5341 5401 5521 5581 5641	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatacttta tgtatatggg tgätgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca gctaagtaga tggaagatgg atttggataa tgtagcaaaa tgtagcaaaa cccttttgtt tgatgatgtt aatagattct	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgttcaaact cacataatta caattcaagc ttaggtactt cattgttgtg gtccggggag ccgcatatga aaggtatatt aatattgtgc	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac ttacacgagc taaaatgttc acgatgtagt ctagagtaaa caggcgaaat ccgttcttcc gctgaaataa cgcgatcacg tgtcgacaaa	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat tgtcttgatt atcacacggt gattgtatgc acacaaacgg tccgcgatgg cacccagtcc cccggggaaa ggcctccagt	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag cataacaacc gttacgtaat ccaaacatac aaatcattt attcgaattt tttacaaacg ttaataccg agggtaaaaa cctaaagcct tggtgttaac atgcgattgc ttgtgatgat ggatatcgaa ctttgatgg tgaacagcaa gtaaatgcgt	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata cagcatgtcc gcatgacccg tcgaagttaa tatcgcactt ccactcgcag gacaagtgaa cgatacactt tatgctccac ccagacagt
4321 4381 4441 4501 4661 4681 4741 4801 4981 5041 5101 5161 5221 5341 5401 5521 5581 5521 5581 5701	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatacttta tgtatatggg tgätgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca gctaagtaga tggaagatgg atttggataa tgtagcaaaa tgtagcaaaa tgtagcaaaa tccttttgtt tgatgatgtt aatagattct taccccgcgc	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgtcaaact cacataatta caattcaagc ttaggtactt cattgttgtg gtccggggag ccgcatatga aaggtatatt aatattgtgc tctttagag	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac ttacacgagc taaaatgttc acgatgtagt ctagagtaaa caggtaaat ccgttcttcc gctgaaataa cgcgatcacg tgtcgacaaa cctttgttaa	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat tgtcttgatt atcacacggt gattgtatgc acacaaacgg tccgcgatgg cacccagtcc cccggggaaa ggcctccagt agatatttgc	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag cataacaacc gttacgtaat ccaaacatac aaatcattt attcgaattt tttacaaacg ttaatcaccg agggtaaaaa cctaaagcct tggtgttaac atgcgattgc ttgtgatgat ggatatcgaa cttttgatgg tgaacagcaa gtaaatgcgt ggggagctaa	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata cagcatgtcc gcatgacccg tcgaagttaa tatcgcactt ccactcgcag gacaagtgaa cgatacactt tatgctccac ccagacaagt atatttgttt
4321 4381 4441 4501 4661 4681 4741 4801 4981 5041 5101 5161 5221 5341 5401 5521 5581 5521 5581 5701	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatacttta tgtatatggg tgätgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca gctaagtaga tggaagatgg atttggataa tgtagcaaaa tgtagcaaaa tgtagcaaaa tccttttgtt tgatgatgtt aatagattct taccccgcgc	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgtcaaact cacataatta caattcaagc ttaggtactt cattgttgtg gtccggggag ccgcatatga aaggtatatt aatattgtgc tctttagag	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacaaa aattacgtgt ttaccatagt catccaaaaa cccatacaac ttacacgagc taaaatgttc acgatgtagt ctagagtaaa caggtaaat ccgttcttcc gctgaaataa cgcgatcacg tgtcgacaaa cctttgttaa	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat tgtcttgatt atcacacggt gattgtatgc acacaaacgg tccgcgatgg cacccagtcc cccggggaaa ggcctccagt agatatttgc	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag cataacaacc gttacgtaat ccaaacatac aaatcattt attcgaattt tttacaaacg ttaatcaccg agggtaaaaa cctaaagcct tggtgttaac atgcgattgc ttgtgatgat ggatatcgaa cttttgatgg tgaacagcaa gtaaatgcgt ggggagctaa	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttagctgcac tgtcatgcaa cccggcagct ttacatatat tggttgcata cagcatgtcc gcatgacccg tcgaagttaa tatcgcactt ccactcgcag gacaagtgaa cgatacactt tatgctccac ccagacaagt atatttgttt
4321 4381 4441 4501 4661 4681 4741 4801 4981 5041 5101 5161 5221 5341 5401 5521 5581 5701 5761	ctgggagttt aataaccact tactgtagcg atgattatcc gcatacaaca atatgcaacg caaaagcatc aatacttta tgtatatggg tgåtgtgggg tcgaaattgt gcaccaaaaa aggtgtagaa gtaatcgtat aagagagttg cacacactca gctaagtaga tggaagatgg atttggataa tgtagcaaaa tgtagcaaaa cccttttgtt tgatgatgtt taatagattct taccccgcgc attacgcgca	tcactttccc gctatagcaa caacatgttg ttggttggtt acccaggcca ccaagcgtta aataacgtaa ctcataccat taaccaagaa gatattaact aaatacatac taagcgtgac atagcggttt ccagataggc ttataagacc tgttcaaact cacataatta caattcaagc ttaggtactt cattgttgtg gtccggggag ccgcatatga aaggtatatt aatattgtgc	caaacaagct atatgacgat tgcatatacc ttggtctaac gaatccgaat aaagcacaat cacctttatg cccgtcgcat gaatgttcga cacaggatga catatacatgt ttaccatagt catccaaaaa cccatacaac ttacacgagc taaaatgttc acgatgtagt ctagagtaaa caggataaa ccgttcttcc gctgaaataa cgcgatcacg tgtcgacaaa cctttgttaa caaaaaactc	tacctgcacc ataaaaacat acgtattccc ataagatata gtatgtgggg acatccagat catatataaa ggaaacatca aataacccgt tcggaatggc ccatgcaaaa tcccagaaca atctcctgat cgttgagtgg cggtccacca ggtataccat tgtcttgatt atcacacggt gattgtatgc acacaaacgg tccgcgatgg cacccagtcc cccggggaaa ggcctccagt agatatttgc tgcgtattcc	ctttgttcgt tttatagcaa cccgtattga agctctacta tataataacg gatatatgag aaacttatag cataacaacc gttacgtaat ccaaacatac aaatcattt attcgaattt tttacaaacg ttaatcaccg agggtaaaaa cctaaagcct tggtgttaac atgcgattgc ttgtgatgat ggatatcgaa cttttgatgg tgaacagcaa gtaaatgcgt ggggagctaa ccccaaggt	aatgcataaa ggccggacat tatgatttaa tagcgagcgt cgcatggtgt cgataacctc ggtcagcatt ttgccaactt tcagtgaata gacgtattcg ttatgctgcac tgtcatgcac tgtcatgcac tgtcatgcat ccggcagct ttacatatat tggttgcata cagcatgtcc gcatgacccg tcgaagttaa tatcgcactt ccactcgcag gacaagtgaa cgatacactt tatgctccac ccagacaagt atatttgttt tatgtaaaat

5881	atgtgatgtc	acaaacqcta	atatatcaat	acactgctca	ggtacaacat	aaaatgggag
5941	tagttgtcca	accaccatca	ctataattat	tactttggag	aaaaaaggca	gtcttaaact
2241	tagttgttta	accyccyccc	cogogoogo	caccccggag	taaaaaaggca	2000000000
6001	atgtccgtgg	ctataaacac	cagtatctat	aaacgaaaag	tcccgtaaat	acggaccaat
6061	atattcaaca	aattcccgtt	ccagcaacac	cgcttgctgt	aatatttgtg	caaacccctt
6121	taaagtggaa	gaccccacta	acqcataqqq	atttqqqatt	ggtacgcata	ccctgaaacc
6181	tattttctct	ttacacttac	accontacant	ttcatgcaag	ttttcattqt	ttgatacatc
0101	tatttttt	ttatagttat	agggtagagt	tetatgeaag	******	actatatata
	ggcgtgtgta					
6301	attctcttct	acacacgtgt	ataattcgcc	attttctatg	taaaaatcga	tgtcagaatg
6361	gctggttata	tccaataaat	tatcatcatc	caacacctca	acqqtaqqtt	caggacatgc
	agttttataa					
6481	ttgcatggcc	gttaaaatac	Catgacgaaa	tgetegeatg	ccggcatgta	aaatatttaa
6541	tgggatgggt	tttcttatat	gaaagtctac	atcaagtatg	aggtttgtga	ttataagatt
6601	tgtattaaat	agctcattcc	tqtttatata	aagctgatct	ttgggtatgt	ttgatgaaat
6661	tttagaaacg	tttttaacag	acqtaqataa	tagtagagtc	aactgcatat	ctcataataa
6701	cccagaaacg		acguagataa	tttaaaataa	taggggatta	ategageete
6/21	agcggcaaca	adattacatg	gattaattig	tttaaggttt	Lecycaatta	accyaycece
6781	gtgcggtaaa	gtgtaacggt	ttgttattga	tgaccacgta	tcattagcaa	taacagcaaa
6841	tgcttgggcg	ccgtgaggca	aggctacccg	atatacaggc	attggtccag	ttacctcaga
6901	atggccgatg	agggetteta	atggagtttt	ataactcagg	atggatacat	catatataac
0001	tatcccagtg	~~~~~~~	2222424	tagttttgta	atacacaca	tcctatcaaa
	accagtacga					
7081	cgcggaaaca	cccgaatcct	caaaattaga	caattcgtca	aaaccgggtg	gatttgaggg
	aatagtggag					
	tagcgttgta					
	acttaaagta					
7321	gacatcacaa	attacgttct	tttttatata	gtcacgcatg	ttgagacgag	aacgtacatg
	attaaaaaaa					
	attcacaaaa					
	acattcaaaa					
7561	ttttctatcg	ttggtaatat	actccgatac	tgcgtgtatt	tccgttgtgt	ctgtatgtat
7621	tcgctgtaaa	atgtacgata	gagcattttt	ggctgtcaaa	cctcqtqtat	atgttgagga
	acaacaaaac					
7001	acaacaaaac	atggaaagtt	caccaaaaga	caacaageee	gaaataccgt	acccactaca
	attaggtaat					
7801	taagggggtt	tccaacgtat	tgtaacttgt	gtccgtttgt	aacaagtaat	agcgtgtagc
7861	caacactagc	gttttttcag	agggtccaaa	tcgaacaata	taccaaaacg	gcgagcatcc
	atacccccag					
	tgatgttagc					
7901	tyatyttayt	teetgacgac	caacygactt	tecaactaac	tegeagageg	ttgccccgc
8041	gatgcatagg	ccgttgtccg	ataatccctt	tcggtttaaa	tggtgtgttg	ttaccatcag
8101	agtttgtata	acttccgagt	gaatgtcaaa	cgtctccgat	atacataggg	tatcagatat
	tatatgcgga					
	ttgggtttta					
8781	aaatccacca	attaaataaa	aaataacgtt	gacgtcccta	Ctacaaaata	aatgeattat
8341	ttggttttct	tcatcgtttt	cagttacttc	acgtgggcgt	ttagttggga	ttacttgcgt
8401	gatctcttcc	ctcccatttt	tgacaaagac	gtcatctaag	tcqqqaqtcc	aagtataact
	caccacatac					
	tgcacatccc					
	tcaatacgtt					
8641	ctcgaatacc	aactgaagag	ccatcttatq	aagaggtgcg	totaaacaco	cacccccaaq
					cycaaacacg	
		actecacete				
			caagaggctt	taaccgctgt	gaatggatta	ttgcctgcac
	ctctaacgtt	agaagacgta	caagaggctt gtcgcttctg	taaccgctgt cagataatac	gaatggatta ccgtcgtttg	ttgcctgcac gtccgcgccc
	ctctaacgtt aggctttggc	agaagacgta gcgaacttac	caagaggctt gtcgcttctg gctgcatgtt	taaccgctgt cagataatac ctcgtaacat	gaatggatta ccgtcgtttg tgaatgttta	ttgcctgcac gtccgcgccc aaacagcacc
	ctctaacgtt aggctttggc	agaagacgta gcgaacttac	caagaggctt gtcgcttctg gctgcatgtt	taaccgctgt cagataatac ctcgtaacat	gaatggatta ccgtcgtttg tgaatgttta	ttgcctgcac gtccgcgccc aaacagcacc
8881	ctctaacgtt aggctttggc attttactga	agaagacgta gcgaacttac agataacccc	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg	taaccgctgt cagataatac ctcgtaacat ccgtggtccg	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa
8881 8941	ctctaacgtt aggctttggc attttactga aacggcttgc	agaagacgta gcgaacttac agataacccc tgatatgtgt	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg
8881 8941 9001	ctctaacgtt aggctttggc attttactga aacggcttgc tggatgttac	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat	caagaggett gtegettetg getgeatgtt ggtettaacg ttagetgeaa attgtegate	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag
8881 8941 9001 9061	ctctaacgtt aggctttggc attttactga aacggcttgc tggatgttac tggtcatgtc	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg
8881 8941 9001 9061	ctctaacgtt aggctttggc attttactga aacggcttgc tggatgttac	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg
8881 8941 9001 9061 9121	ctctaacgtt aggctttggc attttactga aacggcttgc tggatgttac tggtcatgtc catcgtttga	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt tgtttcccac	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga aaccatgaat	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg tatctatagc	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct taaaggggaa	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg aatgtgggtt
8881 8941 9001 9061 9121 9181	ctctaacgtt aggctttggc attttactga aacggcttgc tggatgttac tggtcatgtc catcgtttga taaaaacatc	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt tgtttcccac acctattaaa	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga aaccatgaat tcggaggcga	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg tatctatagc cacaattatc	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct taaaggggaa tgaaattaaa	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg aatgtgggtt ccccactta
8881 8941 9001 9061 9121 9181 9241	ctctaacgtt aggctttggc attttactga aacggcttgc tggatgttac tggtcatgtc catcgtttga taaaaacatc tagaagtatc	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt tgtttcccac acctattaaa ggataataac	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga aaccatgaat tcggaggcga acatctaacc	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg tatctatagc cacaattatc taacaaaaaa	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct taaaggggaa tgaaattaaa aacgtatccg	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg aatgtgggtt ccccactta acagaaactc
8881 8941 9001 9061 9121 9181 9241 9301	ctctaacgtt aggctttggc attttactga aacggcttgc tggatgttac tggtcatgtc catcgtttga taaaaacatc tagaagtatc ttcagcccgt	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt tgtttcccac acctattaaa ggataataac gttgaccca	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga aaccatgaat tcggaggcga acatctaacc aaacagacgc	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg tatctatagc cacaattatc taacaaaaaa aagatgtaca	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct taaaggggaa tgaaattaaa aacgtatccg acgcacaacc	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg aatgtgggtt ccccactta acagaaactc cccgcgatca
8881 8941 9001 9061 9121 9181 9241 9301 9361	ctctaacgtt aggctttggc attttactga aacggcttgc tggatgttac tggtcatgtc catcgtttga taaaaacatc tagaagtatc ttcagcccgt agaaatccca	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt tgtttcccac acctattaaa ggataataac gttgacccca tgttatgctt	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga aaccatgaat tcggaggcga acatctaacc aaacagacgc gtataaatat	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg tatctatagc cacaattatc taacaaaaaa aagatgtaca tgaaataaaa	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct taaaggggaa tgaaattaaa aacgtatccg acgcacaacc actaaaaacg	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg aatgtgggtt cccccactta acagaaactc cccgcgatca tttctggtgt
8881 8941 9001 9061 9121 9181 9241 9301 9361	ctctaacgtt aggctttggc attttactga aacggcttgc tggatgttac tggtcatgtc catcgtttga taaaaacatc tagaagtatc ttcagcccgt	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt tgtttcccac acctattaaa ggataataac gttgacccca tgttatgctt	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga aaccatgaat tcggaggcga acatctaacc aaacagacgc gtataaatat	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg tatctatagc cacaattatc taacaaaaaa aagatgtaca tgaaataaaa	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct taaaggggaa tgaaattaaa aacgtatccg acgcacaacc actaaaaacg	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg aatgtgggtt cccccactta acagaaactc cccgcgatca tttctggtgt
8881 8941 9001 9061 9121 9181 9241 9301 9361 9421	ctctaacgtt aggctttggc attttactga aacggcttgc tggatgttac tggtcatgtc catcgtttga taaaaacatc tagaagtatc ttcagcccgt agaaatccca atgttttat	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt tgtttcccac acctattaaa ggataataac gttgacccca tgttatgctt tttgtatata	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga aaccatgaat tcggaggcga acatctaacc aaacagacgc gtataaatat aaattaaaac	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg tatctatagc cacaattatc taacaaaaaa aagatgtaca tgaaataaaa attgctggct	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct taaaggggaa tgaaattaaa aacgtatccg acgcacaacc actaaaaacg ggcgtggtta	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg aatgtgggtt cccccactta acagaaactc cccgcgatca tttctggtgt ttacatttaa
8881 8941 9001 9061 9121 9181 9241 9301 9361 9421 9481	ctctaacgtt aggctttggc attttactga aacggcttgc tggatgttac tggtcatgtc catcgtttga taaaaacatc tagaagtatc ttcagcccgt agaaatccca atgttttat tgttttagta	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt tgttcccac acctattaaa ggataataac gttgacccca tgttatgctt tttgtatata gaaaatcgac	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga aaccatgaat tcggaggcga acatctaacc aaacagacgc gtataaatat aaattaaaac atcgtttgtt	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg tatctatagc cacaattatc taacaaaaaa aagatgtaca tgaaataaaa attgctggct tctttatcag	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct taaaggggaa tgaaattaaa aacgtatccg acgcacaacc actaaaaacg ggcgtggtta ttgaaccaaa	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg aatgtgggtt cccccactta acagaaactc cccgcgatca tttctggtgt ttacatttaa tccacgcgtt
8881 8941 9001 9061 9121 9181 9241 9301 9461 9481 9541	ctctaacgtt aggctttggc attttactga aacggcttgc tggatgttac tggtcatgtc catcgtttga taaaaacatc tagaagtatc ttcagcccgt agaaatccca atgttttat tgttttagta cccgttcgc	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt tgttcccac acctattaaa ggataataac gttgacccca tgttatgctt tttgtatata gaaaatcgac tgggtgtggc	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga aaccatgaat tcggaggcga acatctaacc aaacagacgc gtataaatat aaattaaaac atcgtttgtt tattagatct	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg tatctatagc cacaattatc taacaaaaaa aagatgtaca tgaaataaaa attgctggct tctttatcag aacgttttag	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct taaaggggaa tgaaattaaa aacgtatccg acgcacaacc actaaaaacg ggcgtggtta ttgaaccaaa taaaatacca	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg aatgtgggtt cccccactta acagaaactc cccgcgatca tttctggtgt ttacatttaa tccacgcgtt ttgtacaccc
8881 8941 9001 9061 9121 9181 9241 9301 9421 9481 9541 9601	ctctaacgtt aggctttggc atttactga aacggcttgc tggatgttac tggtcatgtc catcgtttga taaaaacatc tagaagtatc ttcagcccgt agaaatccca atgttttat tgttttagta cccgttcgc ggtatgccac	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt tgttcccac acctattaaa ggataataac gttgacccca tgttatgctt tttgtatata gaaaatcgac tgggtgtggc atttaccgcg	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga aaccatgaat tcggaggcga acatctaacc aaacagacgc gtataaatat aaattaaaac atcgtttgtt tattagatct gatagcataa	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg tatctatagc cacaattatc taacaaaaaa aagatgtaca tgaaataaaa attgctggct tctttatcag aacgttttag ggaaatgcaa	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct taaaggggaa tgaaattaaa aacgtatccg acgcacaacc actaaaaacg ggcgtggtta ttgaaccaaa taaaatacca tattacttaa	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg aatgtgggtt ccccactta acagaaactc cccgcgatca tttctggtgt ttacatttaa tccacgcgtt ttgtacaccc aacgttgtgt
8881 8941 9001 9061 9121 9181 9301 9361 9421 9481 9541 9601 9661	ctctaacgtt aggctttggc atttactga aacggcttgc tggatgttac tggtcatgtc catcgtttga taaaaacatc tagaagtatc ttcagcccgt agaaatccca atgttttat tgttttagta ccccgttcgc ggtatgccac tttaagtgta	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt tgttcccac acctattaaa ggataataac gttgacccca tgttatgctt tttgtatata gaaaatcgac tgggtgtggc atttaccgcg tttgggtgtt	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga aaccatgaat tcggaggcga acatctaacc aaacagacgc gtataaatat aaattaaaac atcgtttgtt tattagatct gatagcataa gtgatctatt	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg tatctatagc cacaattatc taacaaaaaa aagatgtaca tgaaataaaa attgctggct tctttatcag aacgttttag ggaaatgcaa aacaggacct	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct taaaggggaa tgaaattaaa aacgtatccg acgcacaacc actaaaaacg ggcgtggtta ttgaaccaaa taaaatacca tattacttaa gtgcaagacg	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg aatgtgggtt ccccactta acagaaactc cccgcgatca tttctggtgt ttacatttaa tccacgcgtt ttgtacaccc aacgttgtgt atctccgtt
8881 8941 9001 9061 9121 9181 9301 9361 9421 9481 9541 9601 9661	ctctaacgtt aggctttggc atttactga aacggcttgc tggatgttac tggtcatgtc catcgtttga taaaaacatc tagaagtatc ttcagcccgt agaaatccca atgttttat tgttttagta cccgttcgc ggtatgccac	agaagacgta gcgaacttac agataacccc tgatatgtgt tacggatgat tgatgttgtt tgttcccac acctattaaa ggataataac gttgacccca tgttatgctt tttgtatata gaaaatcgac tgggtgtggc atttaccgcg tttgggtgtt	caagaggctt gtcgcttctg gctgcatgtt ggtcttaacg ttagctgcaa attgtcgatc cttttggaga aaccatgaat tcggaggcga acatctaacc aaacagacgc gtataaatat aaattaaaac atcgtttgtt tattagatct gatagcataa gtgatctatt	taaccgctgt cagataatac ctcgtaacat ccgtggtccg ttacccattt aaaccctgag aaactcttgg tatctatagc cacaattatc taacaaaaaa aagatgtaca tgaaataaaa attgctggct tctttatcag aacgttttag ggaaatgcaa aacaggacct	gaatggatta ccgtcgtttg tgaatgttta ttcacacatg gtatttatcg aatgaccgct ggtcgttgct taaaggggaa tgaaattaaa aacgtatccg acgcacaacc actaaaaacg ggcgtggtta ttgaaccaaa taaaatacca tattacttaa gtgcaagacg	ttgcctgcac gtccgcgccc aaacagcacc gaaaactcaa gttggcgcgg gaaagtgaag aaacctcagg aatgtgggtt ccccactta acagaaactc cccgcgatca tttctggtgt ttacatttaa tccacgcgtt ttgtacaccc aacgttgtgt atctccgtt

9781	ggccatgccg	ttggacacac	gataatgcct	gatcggcttt	tcgatgatct	tccaaaaata
9841	taagcgttta	tactcqqatq	ttqtaaqtcc	caqtctctta	taatcqqtaa	gacaattttt
	ataaattcat					
	tcttggcgtt					
10021	gcagaatccc	tatgtaaagg	ttgcccctgc	tgtaccgtgg	aaatatcagc	aaattcaggt
10081	ataacgggtt	tttcataatt	tgacggcgag	tttgataagg	gttgaacttg	tatcgattta
10141	aaaattggat	ccagatgttt	aagaacgttt	tttqqqaqaa	ggcgactttg	tcttaatttt
10201	accgggaaca	antanattot	taaatotooo	ootaaaataa	coattactcc	taaccaataa
10201	accygyaaca	agcagaccgc	taaacgcccg	ggcaaaataaa	taaataaatt	2990099000
10261	tacaaaaggg	ctgaaattac	teetetgtaa	eccycatcaa	Laacteegtt	ggcgacaaaa
10321	aaattgtctt	catcagcaag	ggcagtatct	ttgcattgaa	ttaacaacag	tgcgtattca
10381	ttgggaggcg	ccgacttaac	caacagctcc	aactgctgca	tataaaaacc	gccccgtgtt
10441	acagatttt	cagatggcag	ttcgagtttc	ttataattcc	ggagtaacaa	cqqttqatqt
10501	cgacttactt	tatcototaa	cacqcattqc	accotatoto	cacattcagg	ttgaacttct
10261	attaaaattg	tatcttttaa	acaccgattc	ggaatagttt	ggctacaaaa	Catattactt
10621	gtatttactg	ccgtttccaa	gatgggatca	attaccgctt	cgttcatatt	aataacgatg
10681	caaattttat	ttttttqtqa	agacagcagt	ggggagccaa	actttgcaga	acggaatttt
10741	tggcatgcca	actattcaac	tcatagaatt	tatatcgacg	gatcaatgat	caccaccctt
10001	ttcttctacg	gatocatttt	accatatat	ateaccatte	tttcattagc	ttatcatgcg
	tgtttccggt					
10921	aaaggggcag	gcgtgtataa	gagggcccct	gtttaatacg	cggtctgccg	tgtttggata
10981	tttcacgacc	ctatcgttta	tttacgtaat	ggcatcttcc	gacggtgaca	gactttgtcg
	ctctaatgca					
	gcgaagtgtg					
11101	gcgaagcgcg	geegeaggae			****	ataaaaataa
11161	agttggggcc	gatteteett	ctccagtgta	egeggatett	Lattitgaac	alaaaaalac
	gacccctcgc					
11281	cgatgaagta	gtggccgcct	ttcgggaggc	ccgtttgaga	catgaactgg	ttgaagatgc
11341	tgtatatgaa	aacccgctaa	gtgtagaaaa	accatctaga	tcttttacta	aaaatgcggc
11401	ggttaaacct	aaattagagg	attracroaa	acasactccc	ccaaaaacaa	gcgcaat.tgc
11461	ggccaaaccc	accedagg	taragratas	303030000	gcaacaacct	cataatacaa
11401	cagcgggaga	CCaatttCCt	ccagcactgc	accaaaaacc	gcaacaagct	tararara
11521	tcctacgcca	tcatataaca	aacgcgtctt	ttgtgaagcg	greeggegeg	tageegeeat
11581	gcaggcacaa	aaggctgccg	aagcggcttg	gaatagtaat	cccccaagga	ataacgccga
11641	attagaccgt	ttgttaaccg	gagccgttat	tcgtattacg	gtgcatgagg	gtttaaattt
11701	aatacaagcc	gctaatgaag	cagacctagg	tgaaggagca	tcggtatcca	aacgtggaca
11761	taatcgaaaa	actggagatt	tacagggggg	catqqqtaat	gaacctatgt	acqcacaaqt
11921	tcgtaagcca	aaaaatcaaa	cocatacaca	aacgactggg	cotataacta	atcgaagtag
11021	cegeaageea	addageegaa	ctactacaca	22224200333	tataattaco	cactaaccot
11991	ggcccgttct	gcatcaagaa	Cigalacycy	aaaacayyya	tataattatg	tatattatt
11941	ttacccggta	ttatgtataa	taaataaacg	tataaaagac	agicgiggii	tgtgtttatt
12001	ataaatgtgt	attatatgtc	acatattata	aactgtttaa	atagtaccac	gtggtattat
12061	gaacagttta	taatcagttg	ctaccaaaca	aaccccatta	gacggcgggt	tttgataaag
12121	ggaatcgctt	atttaaacta	aagattttac	tctataagta	tggagtgtaa	tttaggaacc
12181	gaacatccta	gtacagatac	gtggaat.cgt	agtaaaacgg	aacaagcggt	tatagacaca
12241	tttgatgaat	gattattaa	tastatsacs	tragetetta	catttcaaac	atcattatat
12241	titgatgaat	tyttytty	teacetataca	ceggacaceg	gacccgaaac	225566666
12301	tcacatgcag	ttaaaactgc	teegteteeg	ccccgggcag	Clagiciciaa	aactttatat
12361	caacagttaa	tacgggatct	tgatttttca	gaagggccgc	gtttactatc	atgtettgaa
12421	acctggaacg	aggatttatt	ctcatgtttt	cctattaatg	aggacctata	ttccgatatg
12481	atggttttat	ccccqqatcc	agatgacgtt	atctcaaccg	tttcaaccaa	agaccatgtt
12541	gaaatgttta	atttaacaac	ccagaattcc	attcaattac	ctaqtccacc	aaaqcaaccq
12601	acggggcttc	caccttacct	traggaggtr	caggattcgt	ttaccotaga	actacgcgcc
12001	acggggcccc	cageceaege		205500000	224663454	accutatoto
	cgggaagaag					
	caaggaacgg					
12781	tacacgcaac	tcaggcaaag	tattctactt	agatattatc	gtgaggtggc	aagtttggcg
12841	cgtcttctgt	acctacattt	atatttaacc	gtaacgcgtg	aattttcctg	gcgtttgtac
12901	gccagtcaat	ctgcacaccc	ggacgtgttt	gcggctttaa	aattcacctq	gaccgaacgt
12061	cgacagttca	catatacatt	tcatcctcta	ttatocaacc	acquesttat	gttattagaa
12901	cyacayttca	cgtgtgtgtt	teacticigua	ctatgcaact	acggcaccgc	gecaetagaa
13021	gggaaaccac	taacagcgtc	tgccttgagg	gaaataaatt	acegeegeeg	agaactggga
	ctgcctctag					
13141	tcattttcgg	ttcatttacc	acggtcggtg	ggttttctta	cccaccacat	taagcgtaag
	ttagacgcat					
13261	tacgcaaaag	ttqttqaaaa	tagaaactac	ggtagtagca	tcgaaqctat	gattttaqca
12221	cctccgtccc	catccgagat	cctaccaga	gacccaccac	gcccacccac	gtataaattt
	ttaacgcgtt					
13441	ttttttattt	ctacaatgcg	ccycatatgg	Latytotyto	acycycteta	aayuuudata
13501			atatataat	attocotacc	acaaccctaa	gargetteac
	tataaaagaa	gccccaacga	gigialgege	accacacaca	gegaeceegg	540500000
13561	aggcgcgttt	gtttgtctcg	gttataagta	tgcagtcggg	tcattataac	cggaggcaat
13561	tataaaagaa aggcgcgttt cccgccgaca	gtttgtctcg	gttataagta	tgcagtcggg	tcattataac	cggaggcaat

13681	gttatcggtc	aaccaattgg	tatacacacc	caccccagat	attgtccaat	tcagaaacat
		tcaagaacta				
		tccgggatac				
13861	catcaacttc	cagacatgaa	aatcgcatat	ttaaattaac	ggagagggaa	gctaatgagg
		caatacggac				
13981	aggaggacgc	gatcgacgac	gagggagagg	cggaggaggg	agaggcggag	gaggacgcga
14041	ttgacgacga	gggagaggcg	qaqqaqqqaq	aggcggagga	ggacgcgatt	qacqacqaqq
		ggagggagag				
14161	acgcgatcga	cgacgaggga	gaggcggagg	aggacgcggc	ggaggaggac	gcgatcgacg
14221	acgagggaga	ggcggaggag	gattattttt	ctqtaaqtca	agtttgcagt	cqaqacqcqq
14201	atgaggttta	ttttacgtta		taanttanan	taccoatctt	cocattocaa
14341	aggttatgga	gcctgcggta	tcaaaggaac	ttaatgtatc	aaaacgttgt	gttgaacctg
14401	ttaccctaac	aggctctatg	ttagcgcata	atgggtttga	tgagtcctgg	tttqctatqc
		ccgtcgcgaa				
		tgatacttcc				
14581	ttcctaacat	gacacttggt	qaacttttat	tqatttttcc	tattgaattt	atggcccagc
14641	caatttctat	agaacgtatt	ttaattaaaa	atotatttt	anatangron	acttccaata
		atacggcccg				
14761	aaatgtatgt	acaacacatt	cctqqqtttt	atgacgtgtc	cttacgtgct	gtgggccaag
		ttggcatcac				
		agatggatta				
14941	qtatttttt	gggacgtaac	gataattttg	gcqtqqqqqa	tccatqttqq	ttagaagacc
15001	atetteeee	attaccacga	gaaggggtag	ccaecatect	ccaactgaca	canttonttt
15061	tgccaaatcg	gggtccaacg	gttgccatta	tgcgtggttt	ttttggggcg	ttggcatatt
15121	ggcccgaact	aagaattgct	ataaqtqaac	catctacatc	tttggtgcga	tatqctaccq
		acttgccgaa				
15241	ttaccccaac	ggaacgggaa	atgttagcgt	cattttttac	gttgtatgtt	actcttggtg
15301	gaggaatgtt	gaactggatc	tqtaqaqcaa	ctqcaatqta	tttagctgct	ccttaccatt
		ttacatcgcg				
15421	gtgacctgtt	atgtgattta	gaggtattac	tgttaggcga	ggtcgacctc	ccaactgttt
15481	gtgaatccta	cgcaactatt	gcacacgaat	taaccqqata	tgaggctgtt	cqcacaqcaq
		tatgatagag				
		cctgggggcc				
15661	ttttgttgct	tctctccggt	gctgcgttgt	acggaggatg	ttcaatttac	atcccccgag
		tgcatataat				
		cttttggaaa				
15841	caacggacgt	tttacccaaa	gagcaagaca	ggatagttca	ggcatcacct	atagagatga
		tgtgggattg				
		aaatcttatg				
16021	tagccatgca	tttactacga	aaatattaag	ggttgtgatt	tttttcatta	ggatgaaaag
		agccacaccc				
10141	adattigitig	tgtgtgttgt	gugggggud	cglyaggalc	gaccittaca	agalalaall
16201	tgtccatatc	gcaatgtttt	ctcggtttgc	gcgttccttt	tccagcgatg	atagaacgcg
16261	taaatcttat	gatggtagtt	accaaagttt	taatqccqqc	gaacgtgatt	tgcccacacc
		tggtgttcta				
		acgcccggcg				
16441	cgacagccta	acatcgccgg	ttttacaaaq	taccgaaaqa	cacagtgttc	tgcttggatt
		aatgttcctg				
		cagcgttata				
16621	tggggatgga	ctttggtggg	tttatgaaaa	tacatattgq	cagtatctca	aatacaccac
		gtaccggtga				
		tccgtagttg				
16801	tataaattcg	gattaccggg	gaatatgtca	ggagctacgt	gaggcgttag	gagctgtgca
		tattttatgc				
		gaaattgcgg				
		gacgccaggg				
		tctgttattc				
		ggcacaggag				
17101		Jacacaggag	tette	ttugtagta	acaactycta	Jegeteteat
		cgtattagtg				
17221	aaccgcaqct	gcaattgttg	cggcggttqa	acttattacq	cttttgcacc	accattttca
		aatatgatgc				
		ttaaaggcgc				
17401	ggtcagaaca	atgtcaacac	acagttgggt	tgtgttagag	accagcaccc	atatgtggtt
		gtggcgcaga				
				LLLGLAL.	LLAAMACHLA	Latteyaatt
1/321	tcaggttctt	geegeeagea	aacjjcacac			<b>_</b>

17581	atcgagtgtg	tctgatcagc	cgtatattcg	ttttaatcga	ctgggatctc	caatagggac
	aggtataggg					
17701	tgcaagttcg	catqtaatta	atacagaagc	accettaaac	aqtataqcac	ccqatacaaa
	tagacagcgg					
	aaaaaaccac					
	tgatcattac					
	aatgtttgac					
	cgtatatgaa					
	ggatagcctt					
	ttttataccc					
18181	gcctaagagt	catcattaag	tacagcggtt	aatagatagt	tatggactag	gcactttggc
	ggtcatttcc					
18301	tttctgttca	ataattggac	tgcgttattt	aaaggtctga	ttggttgatt	gggttataaa
	aggaattact					
	taacgattat					
	cgttaaccgg					
	ggaaacgcga					
	atttgcgaaa					
	aagagttgtt					
	tacacatatg					
18781	gacacacggg	ggaccttggc	cccatttacg	gettecagtg	gagacatttt	ggagcggaat
	ataaagactg					
	atacaattaa					
	atatcccctt					
19021	gtgaattatc	ctgccaagta	taccagagat	cgggggatat	gggccttggg	gtaccgttca
19081	acattgctgg	atatgcactt	cttacctaca	tagtagcgca	tgttacagga	cttaaaaccg
19141	gagatttaat	tcatacaatg	ggggatgcac	atatttactt	gaatcatata	gatgctttaa
	aagtgcagct					
	cagatataaa					
	ccctaaaaat					
	ttgcgaatgt					
	caacggatgc					
	acaccaatta					
	taaacggccg					
	ataggtccgt					
	tgatcacaca					
	catacgaaat					
	ataataccta					
	ttcatattag					
	taatccattt					
	gcatattctt					
	caccgaacac					
	gtctgtccgg					
20161	actgtaatac	tgtgttccga	tatgacgttc	ttagtttttg	tattaacgac	tcgccaaata
20221	tacgttccct	ccgtggtagc	atccatagat	aaaattgtta	cagaaaaatc	agacgttgtt
20281	ttaacatctg	gtattacata	attttcctta	gcgtgtgtaa	atatctcagg	gttgtttatt
	aagtttaaat					
	gcattgccca					
	agatcggggc					
	tattgttcat					
	atgtaacaag					
	cattgtatat					
	ggctttcggg					
	gaggtgggcg					
	ggatcgggct					
	gcggccgagg					
	acggcgggat					
	cgggtagcgg					
	gataattgta					
	tttattgaca					
	aatgatggaa					
	aactttattt					
21301	atataaacac	acacgtgata	tactttagtg	atatgagatg	ccataaaaca	gtcaataggt
21361	ttaacgctta			gtcaaacccg		
		gtctcatcat	ctgaatacac		ccgcaactgt	tgatgttaga

21401						
Z1481	qttqtatata	atacaattac	ccataggttt	tttttttctt	qatataaaac	ggcaaaaccc
21541	tgtaacccaa	atgctataat	atgacetect	accyaaaccy	Claacyclac	ttgtgtaagt
21601	ttqataaaat	gatttaattt	aattatatqt	qaqattqccc	acattaatgg	ggtaactata
21661	+-+	~~~	202224242	gaaattgatt	*********	tttaaccata
21001	tataacaccg	ggggtataac	agacattata	cgaattcctt	caaacacgcg	cccaagggcc
21721	cqqqaacttt	ctcgatggtc	acatactctc	ccqcqqtcat	tttqtqtata	tacaacqqca
		ctgtataagt				
21841	tcttqcaaat	cggtggcggc	atcqacaatt	gaaactagtg	tgacaataga	tatacacaat
		cctcatattt				
21961	aacccaqttc	ccaacatcat	aacataaaaa	taaatatqcq	qtccattqaa	tqtcqtaaca
22021	aagttgtagt	aatggatatg	Cacageagee	actyttccgg	caaccycyga	tatyyaaatt
22081	cccagtaatt	ctacaaatgg	aagatcccgg	gatattgggc	aaccaaccqc	ccataacaca
		acacgaccac				
22201	aatttcacgg	atgttggcca	taaccccgaa	acqacqatca	accccataat	agttgcattg
		cgcagacgtg				
22321	agtcccacga	gaaacaaccg	cgatgctgag	gttattgcac	acqaattaca	ttcttqaqqq
22201	****	5+44+445+	+++	gaaattaatt	atatatata	020200200
		atccttggat				
22441	ttttcatcat	ggacagctct	ttcaccattc	acqqccatqt	cttaaqttta	ataattcaaa
		atgtgttcat				
22561	gttgcactta	tttaactgta	catattacqt	cagattcacg	tgataattca	gaataatcca
		agggtccact				
22681	accatataat	ttcggggagt	ttccccccca	ttttatttcc	ggtatttttt	tcqtttcttt
22741				~+~~++~~+ <i>~</i>	attacasast	taastattaa
		attgcgtctt				
22801	caaataatto	catcgaggtt	aatttttctt	taaggtcttt	gggacttaag	aacqttqcat
22861	aaaaaaaaga	atgcacgggt	gcggaacgtt	ggatatacaa	tecaaceatg	ggggagttag
22921	ttaaggcgag	ataaaaatta	atataacacg	tctcatcccq	tottaactta	agattttgta
22981	cggcagaacg	gaatccactg	tgtgtttcca	ataatactcc	aaattcacgc	atacteeege
23041	toccataaac	aacattatta	aggateettt	ttgaatttgt	gattgagcgt	attaaattat
23101	atggtgtagg	cttgcttccg	tttatateea	aggaaacatt	adatgagata	adaccacccc
23161	caacaatcta	gatgtacata	tccataacta	ttaqaatqaa	gcatgttgta	aacccaaaaq
		tcgctgtaaa				
23281	gagttagatt	tggaaacatc	attqtataac	aaqcqaqttc	acqttttaca	acttqtttqt
		ttgatcatct				
23401	taatactccq	ctcggggggt	tqtccqqtaa	atttaaaata	taaccqtqtt	qqqqtcqacq
		atggcgaaac				geegegagea
22521						
23321	caaccattct	cqqcccaqtc	caattatact	ggtcaaacat	atttgccggt	ataggaatat
						ataggaatat
23581	acagttgttc	tgtttccaaa	ctacagtgaa	taattaatcc	ttcgtcgctg	aatattaaaa
23581	acagttgttc	tgtttccaaa	ctacagtgaa	taattaatcc	ttcgtcgctg	aatattaaaa
23581 23641	acagttgttc tagaatccct	tgtttccaaa tagtctatta	ctacagtgaa accagaggtg	taattaatcc atatagacga	ttcgtcgctg aattaaacca	aatattaaaa gtaagcgttt
23581 23641 23701	acagttgttc tagaatccct tttccgttaa	tgtttccaaa tagtctatta aacagctctg	ctacagtgaa accagaggtg gcgatttctg	taattaatcc atatagacga gggcgtcaaa	ttcgtcgctg aattaaacca acccgcatgc	aatattaaaa gtaagcgttt aattccatgt
23581 23641 23701	acagttgttc tagaatccct tttccgttaa	tgtttccaaa tagtctatta aacagctctg	ctacagtgaa accagaggtg gcgatttctg	taattaatcc atatagacga gggcgtcaaa	ttcgtcgctg aattaaacca acccgcatgc	aatattaaaa gtaagcgttt aattccatgt
23581 23641 23701 23761	acagttgttc tagaatccct tttccgttaa ccaaagcatc	tgtttccaaa tagtctatta aacagctctg gtctgtacgc	ctacagtgaa accagaggtg gcgatttctg gacctcaaat	taattaatcc atatagacga gggcgtcaaa ccataattta	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa	aatattaaaa gtaagcgttt aattccatgt tgtttactat
23581 23641 23701 23761 23821	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc
23581 23641 23701 23761 23821	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc
23581 23641 23701 23761 23821 23881	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca
23581 23641 23701 23761 23821 23881 23941	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta
23581 23641 23701 23761 23821 23881 23941	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta
23581 23641 23701 23761 23821 23881 23941 24001	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt
23581 23641 23701 23761 23821 23881 23941 24001 24061	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa
23581 23641 23701 23761 23821 23881 23941 24001 24061 24121	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaa	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca
23581 23641 23701 23761 23821 23881 23941 24001 24061 24121	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaa	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca
23581 23641 23701 23761 23821 23881 23941 24001 24061 24121 24181	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaa ctggttaaac	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taaccccgt
23581 23641 23701 23761 23821 23881 23941 24001 24061 24121 24181 24241	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaa ctggttaaac gtatggaacg	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa
23581 23641 23701 23761 23821 23881 23941 24001 24061 24121 24181 24241	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaa ctggttaaac gtatggaacg	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa
23581 23641 23701 23761 23821 23881 23941 24001 24061 24121 24181 24241 24301	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac acgcgagaat	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaa ctggttaaac gtatggacg ttacacggac	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa tattgcggct
23581 23641 23701 23761 23821 23881 24901 24061 24121 24181 24241 24301 24361	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac acgcgagaat attaacacaa	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaa ctggttaaac gtatggaacg ttacacggac cggtcatact	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac atccgatatt	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa tattgcggct acggcccatt
23581 23641 23701 23761 23821 23881 24901 24061 24121 24181 24241 24301 24361	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac acgcgagaat attaacacaa	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaa ctggttaaac gtatggaacg ttacacggac cggtcatact	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac atccgatatt	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa tattgcggct acggcccatt
23581 23641 23701 23761 23821 23881 24901 24061 24121 24181 24241 24301 24361 24421	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa ctggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac atccgatatt ttatgtcacg	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa tattgcggct acggcccatt ggggaacctc
23581 23641 23701 23761 23821 23881 24901 24061 24121 24181 24241 24301 24361 24421 24481	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa ctggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac atccgatatt ttatgtcacg tatcatcaa	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacacca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa tattgcggct acggcccatt ggggaacctc ataacaaaac
23581 23641 23701 23761 23821 23881 24901 24061 24121 24181 24241 24301 24361 24421 24481	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa ctggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac atccgatatt ttatgtcacg tatcatcaa	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacacca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa tattgcggct acggcccatt ggggaacctc ataacaaaac
23581 23641 23701 23761 23881 23941 24001 24061 24121 24181 24241 24301 24361 24421 24481 24481 24541	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc atcggaaaca	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa ctggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac atccgatatt ttatgtcacg tatcatcaa tgttttcgaaa	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctettcacg	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacaac cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa tattgcggct acggcccatt ggggaacctc ataacaaaac ctagcgaaga
23581 23641 23701 23761 23881 23941 24001 24061 24121 24241 24241 24301 24361 24421 24481 24541 24541 24601	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc atcggaaaca aacaaatcc	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa ctggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac atccgatatt ttatgtcacg tatcatccaa tgtttcgaaa ttttggacgg	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc gggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctcttccacg ttgtccacga	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa tattgcggct acggcccatt ggggaacctc ataacaaaac ctagcgaaga agacgatctg
23581 23641 23701 23761 23881 23941 24001 24061 24121 24241 24241 24301 24361 24421 24481 24541 24541 24601	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc atcggaaaca aacaaatcc	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa ctggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac atccgatatt ttatgtcacg tatcatccaa tgtttcgaaa ttttggacgg	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc gggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctcttccacg ttgtccacga	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa tattgcggct acggccatt ggggaacctc ataacaaaac ctagcgaaga agacgatctg
23581 23641 23701 23761 23881 23941 24001 24061 24121 24241 24241 24301 24361 24421 24481 24541 24601 24661	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc atcggaaaca aacaaatcc cctgcgcgac	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa ctggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaca catctgtaac atccgatatt ttatgtcacg tatcatccaa tgtttcgaaa ttttggacgg gcagtcttac	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaat ttactgaagc gggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctcttccacg ttgtccacga ctctacaatg	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca ccatcccgag	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa tattgcggct acggcccatt ggggaacctc ataacaaaac ctagcgaaga agacgatctg gacatcctaa
23581 23641 23701 23761 23881 23941 24001 24121 24181 24241 24301 24361 24421 24481 24541 24601 24661 24721	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc atcggaaaca aacaaatcc cctgcgcgac ccatcgatta	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa ctggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtacac atccgatatt ttatgtcacg tatcatccaa tgtttcgaaa ttttggacgg gcagtcttac tgtgtgcaag	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc gggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctcttccacg ttgtccacga ctctacaatg tcttattaga	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca ccatcccgag tggatgggt	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa tattgcggct acggcccatt ggggaacctc ataacaaaac ctagcgaaga agacgatctg gacatcctaa atgcatacgt
23581 23641 23701 23761 23881 23941 24001 24121 24181 24241 24301 24361 24421 24481 24541 24601 24661 24721	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc atcggaaaca aacaaatcc cctgcgcgac ccatcgatta	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa ctggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtacac atccgatatt ttatgtcacg tatcatccaa tgtttcgaaa ttttggacgg gcagtcttac tgtgtgcaag	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc gggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctcttccacg ttgtccacga ctctacaatg tcttattaga	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca ccatcccgag tggatgggt	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa tattgcggct acggcccatt ggggaacctc ataacaaaac ctagcgaaga agacgatctg gacatcctaa atgcatacgt
23581 23641 23701 23761 23821 23881 24901 24061 24121 24241 24241 24301 24421 24481 24541 24541 24601 24661 24721 24781	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc atcggaaaca aacaaatcc cctgcgcgac ccatcgatta cgaggcggtt	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa ctggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat gacattgagg	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac atccgatatt ttatgtcacg tatcatccaa tgtttcgaa tgtttcgaaa ttttggacgg gcagtcttac tgtgtgcaag cggacgaggc	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc gggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctcttccacg ttgtccacga ctctacaatg tcttattaga atgtgcaaac	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca ccatcccgag tggatgggt ttatttcata	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taacccccgt ctgtgggtaa tattgcggct acggcccatt ggggaacctc ataacaaaac ctagcgaaga agacgatctg gacatcctaa atgcatacgt cgcgtacagt
23581 23641 23701 23761 23881 23941 24001 24121 24181 24241 24301 24361 24421 24481 24541 24601 24661 24721 24781 24841	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc atcggaaaca catggaaaca catgggaaca catgggact taggcggtt ggctttggtt	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat gacattgagg tatacgacag	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac atccgatatt ttatgtcacg tattatccaa tgtttcgaa tgtttcgaaa ttttggacgg gcagtcttac tgtgtgcaag cggacgaggc atactgattt	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctcttccacg ttgtccacga ctctacaatg tcttattaga atgtgcaaac actcttcatg	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca ccatcccgag tggatgggt ttatttcata ggctgtgata	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taaccccgt ctgtgggtaa tattgcggct acggcccatt ggggaacctc ataacaaaac ctagcgaaga agacgatctg gacatcctaa atgcatacgt cgcgtacagt ttttgttaga
23581 23641 23701 23761 23881 23941 24001 24121 24181 24241 24301 24361 24421 24481 24541 24601 24661 24721 24781 24841	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc atcggaaaca catggaaaca catgggaaca catgggact taggcggtt ggctttggtt	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat gacattgagg tatacgacag	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac atccgatatt ttatgtcacg tattatccaa tgtttcgaa tgtttcgaaa ttttggacgg gcagtcttac tgtgtgcaag cggacgaggc atactgattt	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctcttccacg ttgtccacga ctctacaatg tcttattaga atgtgcaaac actcttcatg	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca ccatcccgag tggatgggt ttatttcata ggctgtgata	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taaccccgt ctgtgggtaa tattgcggct acggcccatt ggggaacctc ataacaaaac ctagcgaaga agacgatctg gacatcctaa atgcatacgt cgcgtacagt ttttgttaga
23581 23641 23701 23761 23881 23941 24061 24121 24181 24241 24301 24361 24421 24481 24541 24601 24661 24721 24781 24841 24901	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaaagta ggtgacttaa tttccacgtg agaagtacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc ctggaaaca catggaaaca catgggaaca catgggaaca catgggaaca catgggatt ggctttggtt tgcaattcct	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat gacattgagg tatacgacag atgttttgctc	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac atctgtaaca atctgatatt ttatgtcacg tattatccaa tgtttcgaa tgtttcgaaa tttttggacgg gcagtcttac tgtgtgcaag cggacgaggc atactgattt cagtagtacg	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctctccacg ttgtccacga ctctacaatg tcttattaga atgtgcaaac actcttcatg atgtcgcgat	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca ccatcccgag tggatgggt ttatttcata ggctgtgata ttgcttcaat	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taaccccgt ctgtgggtaa tattgcggct acggcccatt gggaacctc ataacaaaac ctagcgaaga agacgatctg gacatcctaa atgcatacgt cgcgtacagt ttttgttaga atttaggaat
23581 23641 23701 23761 23881 23941 24061 24121 24181 24241 24301 24361 24421 24541 24541 24601 24661 24721 24781 24781 24901 24961	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaaagta ggtgacttaa tttccacgtg agaagtacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc ctgggaaaca cctgggaacc acgggaacc atcgggaacc acggggatt ggctttggtt tgcaattcct tacataccct	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat gacattgagg tatacgacag atgttttgctc gaatttttgg	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac atctgtaaca atctgatatt ttatgtcacg tattatccaa tgtttcgaa tttttggacgg gcagtcttac tgtgtgcaag cggacgaggc atactgattt cagtagtacg ttgcctttgt	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacggca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctcttccacg ttgtccacga ctctacaatg tcttattaga atgtgcaaac actcttcatg atgtcgcgat tcgctgtcag	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca ccatcccgag tggatgggt ttatttcata ggctgtgata ttgcttcaat accgatttc	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taaccccgt ctgtgggtaa tattgcggct acggcccatt gggaacctc ataacaaaac ctagcgaaga agacgatctg gacatcctaa atgcatacgt cgcgtacagt ttttgttaga attaggaat atacaagtga
23581 23641 23701 23761 23881 23941 24061 24121 24181 24241 24301 24361 24421 24541 24541 24601 24661 24721 24781 24781 24901 24961	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaaagta ggtgacttaa tttccacgtg agaagtacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc ctgggaaaca cctgggaacc acgggaacc atcgggaacc acggggatt ggctttggtt tgcaattcct tacataccct	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat gacattgagg tatacgacag atgttttgctc	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac atctgtaaca atctgatatt ttatgtcacg tattatccaa tgtttcgaa tttttggacgg gcagtcttac tgtgtgcaag cggacgaggc atactgattt cagtagtacg ttgcctttgt	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacggca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctcttccacg ttgtccacga ctctacaatg tcttattaga atgtgcaaac actcttcatg atgtcgcgat tcgctgtcag	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca ccatcccgag tggatgggt ttatttcata ggctgtgata ttgcttcaat accgatttc	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca taaccccgt ctgtgggtaa tattgcggct acggcccatt gggaacctc ataacaaaac ctagcgaaga agacgatctg gacatcctaa atgcatacgt cgcgtacagt ttttgttaga attaggaat atacaagtga
23581 23641 23701 23761 23881 23941 24061 24121 24181 24241 24301 24361 24421 24541 24541 24601 24661 24721 24781 24841 24901 24961 25021	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaaagta ggtgacttaa tttccacgtg agaagttacc ctgtaattaa gacgatataa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc ctgcgcgac cctgcgcgac ccatcgatta cgaggcggtt ggctttggtt tgcaattcct tacataccct caacctaaaa	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat gacattgagg tatacgacag atgtttgctc gaatttttgg tctgttcagc	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac atccgatatt ttatgtcacg tatcatccaa tgtttcgaaa ttttggacgg gcagtcttac tgtgtgcaag cggacgaggc atactgattt cagtagtacg ttgcctttgt aagttattca	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctctccacg ttgtccacga ctctacaatg tcttattaga atgtgcaaac actcttcatg atgtcgcgat tcgctgtcag ggataccggc	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca ccatcccgag tggatgggt ttatttcata ggctgtgata ttgcttcaat accgatttc ctgaaagttc cctgaaagttc	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca tagcggaggct acggcccatt ggggaacctc ataacaaaac ctagcgaaga agacgatctg gacatcctaa atgcatacgt cgcgtacagt ttttgttaga atttaggaat atacaagtga cacatcaaat
23581 23641 23701 23761 23881 23941 24061 24121 24181 24241 24301 24361 24421 24541 24541 24601 24661 24721 24781 24781 24901 24961 25021 25081	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaaagta ggtgacttaa tttccacgtg agaagtataa gacgatataa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc cctgcgcgac cctgcgcgac ccatcgatta cgaggcggtt ggctttggtt tgcaattcct tacatacct caacctaaaa ggacactca	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa ctggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat gacattgagg tatacgacag atgtttgcc gaatttttgg tcgattctc gaatttttgg tcgatccc	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaac atccgatatt ttatgtcacg tatcatccaa tgtttcgaa tgtttcgaaa ttttggacgg gcagtcttac tgtgtgcaag cggacgaggc atactgattt cagtagtacg ttgcctttgt aagttattca ccacttacga	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctcttccacg ttgtccacga ctctacaatg tcttattaga atgtgcaaac actcttcatg atgtcgcgat tcgctgtcag ggataccggc ctcgtggaga	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca ccatcccgag tggatgggt ttatttcata ggctgtgata ttgcttcaat accgatttgc ctgaaagttc cctgaaagttc cctgaaagttc catggcgagg	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaatacgta ttatatacgt cctttcacaa gctttatcca taaccccgt ctgtgggtaa tattgcggct acggcccatt gggaacctc ataacaaaac ctagcgaaga agacgatctg gacatcctaa atgcatacgt ttttgttaga atttaggaat atacaagtga cacatcaaat ttttcaaaag
23581 23641 23701 23761 23881 23941 24061 24121 24181 24241 24301 24421 24481 24541 24601 24661 24721 24781 24841 24901 24961 25021 25081 25141	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaaagta ggtgacttaa tttccacgtg agaagtaca tagaagtataa tgaacataaa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc cctgcgcgac ccatcgatta cgaggcggtt ggctttggtt tgcaattcct tacataccct caacctaaaa ggacacttca tcttaccgta	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat gacattgagg tatacgacag atgtttgctc gaatttttgg tctgtcagc acgcgctccc gccacgtcgg	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac atctgtaaca catctgtaac atccgatatt ttatgtcacg tattatccaa tgtttcgaaa tttttggacgg gcagtcttac tgtgtgcaag cggacgaggc atactgattt cagtagtacg ttgcctttgt aagttattca cgatattcacga gtaaaacaga	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctcttccacg ttgtccacga ctctacaatg tcttattaga atgtgcaaac actcttcatg atgtcgcgat tcgctgtcag ggataccggc ctcgtggaga aaacggagtg	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca ccatcccgag tggatgggt ttatttcata ggctgtgata ttgcttcaat acgatttcc catgacgagg tccgtttcca	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca tagcggaggct acggcccatt ggggaacctc ataacaaaac ctagcgaaga agacgatctg gacatctaa atgcatacgt cgcgtacagt ttttgttaga attaggaat atacaagtga cacatcaaat ttttcaaaag aatatgcatc
23581 23641 23701 23761 23881 23941 24061 24121 24181 24241 24301 24421 24481 24541 24601 24661 24721 24781 24841 24901 24961 25021 25081 25141	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaaagta ggtgacttaa tttccacgtg agaagtaca tgaacataaa tgaacataaa tgaacataaa agcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc cctgcgcgac ccatcgatta cgaggcggtt ggctttggtt tgcaattcct tacataccct caacctaaaa ggacacttca tcttaccgta	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat gacattgagg tatacgacag atgtttgctc gaatttttgg tctgtcagc acgcgctccc gccacgtcgg	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac atctgtaaca catctgtaac atccgatatt ttatgtcacg tattatccaa tgtttcgaaa tttttggacgg gcagtcttac tgtgtgcaag cggacgaggc atactgattt cagtagtacg ttgcctttgt aagttattca cgatattcacga gtaaaacaga	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctcttccacg ttgtccacga ctctacaatg tcttattaga atgtgcaaac actcttcatg atgtcgcgat tcgctgtcag ggataccggc ctcgtggaga aaacggagtg	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tctatcaagt agttgtattc caaactgaca ccatcccgag tggatgggt ttatttcata ggctgtgata ttgcttcaat acgatttcc catgacgagg tccgtttcca	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca tagcggaggct acggcccatt ggggaacctc ataacaaaac ctagcgaaga agacgatctg gacatctaa atgcatacgt cgcgtacagt ttttgttaga attaggaat atacaagtga cacatcaaat ttttcaaaag aatatgcatc
23581 23641 23701 23761 23881 23941 24061 24121 24181 24241 24301 24361 24421 24541 24541 24601 24661 24721 24781 24781 24901 24961 25021 25081 25141 25201	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttaca gacgatataa tgaacataaa tgaacataaa ggcggtagac acgcgagaat attaacacaa atcacgtgga ggacttaacc cctgcgcgac ccatcgatta cgaggcggtt ggctttggtt tgcaattcct tacatacct caacctaaaa ggacactca tctaccgta taaccgatcg	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa ctggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat gacattgagg tatacgacag tatacgacag caggatatttcacaaat gacattgagg tatacgacag tatacgacag atgttttcc gaatttttgg tctgttcagc acgcgctccc gccacgtcgg gaggtgacag	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac catctgtaaca catctgtaaca ttatgtcacg tattatccaa tgtttcgaaa ttttggacgg gcagtcttac tgtgtgcaag cggacgaggc atactgattt cagtagtacg ttgcctttgt aagttattca cgacacag gtaaaacaga tagacgccag	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaatagagc cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctctccacg ttgtccacga ctctacaatg tcttattaga atgtgcaaac actcttcatg atgtcgcgat tcgctgtcag ggataccggc ctcgtggaga aaacggagtg ttgggcttta	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaaa tcatcaagt agttgtattc caaactgaca ccatcccgag tggatgggt ttatttcata ggctgtgata ttgcttcaat accgatttcc ctgaaagttc cctgaaagttc cctgaaagttc catggcgagg tccgtttcca aaccttctgc	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacat cctttcacaa gctttatccat acccccgt ctgtgggtaa tattgcggct acagcaacat cggaaga agacgatctg gacatctaa atgcatacgt ttttgttaga atttaggaat atacaagtga cacatcaaat ttttcaaaag aatatgcatc caccctcatc
23581 23641 23701 23761 23881 23941 24061 24121 24181 24241 24361 24421 24541 24541 24601 24661 24721 24781 24781 24901 24961 25021 25081 25141 25201 25261	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttaca tgaacataaa tgaacataaa tgaacataaa agcggtagaac acgcgagaat attaacacaa atcacgtgga ggacttaacc cctgcgcgac ccatcgatta cgaggcggtt tgcaattcct tacatacct caacctaaaa ggacacttca tctaccgta taaccgatcg ccatcgattg	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa cttggttaaa cttggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat gacattgagg tatacgacag atgttttgctc gaatttttgg tctgttcagc acgcgctccc gccacgtcgg gaggtgacag gataatttgg	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac atccgataat ttatgtcacg tatcatccaa tgtttcgaaa ttttggacgg gcagtcttac tgtgtgcaag cggacgaggc atactgattt cagtagtacg ttgcctttgt aagttattca cgatattcacga tgcgcatcacga tacacgacgacgacgacgacgacgacgacgacgacgacgac	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctctcacga ctctacacga ctctacaatg tcttattaga atgtgcaaac actcttcatg atgtcgcgat tcgcggat tcgctgtcag ggataccggc ctcgtggaga aaacggagtg ttgggcttta tgtgaacat	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaca cacgatgaca cctgagact cgttgtacag cacgatgaca cctgagagt ttattccaagt agttgtattc caaactgaca ccatcccgag tggatggggt ttatttcata ggctgtgata ttgcttcaat accgatttgc ctgaaagttc catggcgagg tccgtttcca aaccttctgc ataatcgccg	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca tatgcggct acggccatt gggaacctc ataacaaaac ctagcgaaga agacgatctg gacatcctaa atgcatacgt cgcgtacagt ttttgttaga atttaggaat attaggaat attaggaat attacaagtga cacatcaaat ttttcaaaag aatatgcatc tggtaactc
23581 23641 23701 23761 23881 23941 24061 24121 24181 24241 24361 24421 24541 24541 24601 24661 24721 24781 24781 24901 24961 25021 25081 25141 25201 25261	acagttgttc tagaatccct tttccgttaa ccaaagcatc agaaaaagta ggtgacttaa tttccacgtg agaagttaca tgaacataaa tgaacataaa tgaacataaa agcggtagaac acgcgagaat attaacacaa atcacgtgga ggacttaacc cctgcgcgac ccatcgatta cgaggcggtt tgcaattcct tacatacct caacctaaaa ggacacttca tctaccgta taaccgatcg ccatcgattg	tgtttccaaa tagtctatta aacagctctg gtctgtacgc atcatatgta gtacataaac ttccaataca agatttgatg cacaagatca acttggttaaa ctggttaaac gtatggaacg ttacacggac cggtcatact gccaaggcaa cgtgttctac tatgacagtg caggatatgt caaaacgtat tatcacaaat gacattgagg tatacgacag tatacgacag caggatatttcacaaat gacattgagg tatacgacag tatacgacag atgttttcc gaatttttgg tctgttcagc acgcgctccc gccacgtcgg gaggtgacag	ctacagtgaa accagaggtg gcgatttctg gacctcaaat aacacacgag aggcatgata gggggtgttc taatgtttgt catcgaagaa gtgtattgat ccagcatcat tcatgtacac atccgataat ttatgtcacg tatcatccaa tgtttcgaaa ttttggacgg gcagtcttac tgtgtgcaag cggacgaggc atactgattt cagtagtacg ttgcctttgt aagttattca cgatattcacga tgcgcatcacga tacacgacgacgacgacgacgacgacgacgacgacgacgac	taattaatcc atatagacga gggcgtcaaa ccataattta tttcgttaat tttgaatagt cttaataggg cataaaaaat ttactgaagc ggggctcttt ttcaacgcca attgttggaa gatacattgt tgtattggaa ggccatgaac cacatcatgt ctctcacga ctctacacga ctctacaatg tcttattaga atgtgcaaac actcttcatg atgtcgcgat tcgcggat tcgctgtcag ggataccggc ctcgtggaga aaacggagtg ttgggcttta tgtgaacat	ttcgtcgctg aattaaacca acccgcatgc ctacttaaaa atgtttgttt acggcccatg actgtgcaat atgtacatca cgctgtgaaa ggactgacac cccggagttt cgtttatacc cttggagtct cgttgtacag cacgatgaca cacgatgaca cctgagact cgttgtacag cacgatgaca cctgagagt ttattccaagt agttgtattc caaactgaca ccatcccgag tggatggggt ttatttcata ggctgtgata ttgcttcaat accgatttgc ctgaaagttc catggcgagg tccgtttcca aaccttctgc ataatcgccg	aatattaaaa gtaagcgttt aattccatgt tgtttactat aacccgatcc ggagggaaca aaaatacgta ttatatacgt cctttcacaa gctttatcca tatgcggct acggccatt gggaacctc ataacaaaac ctagcgaaga agacgatctg gacatcctaa atgcatacgt cgcgtacagt ttttgttaga atttaggaat attaggaat attaggaat attacaagtga cacatcaaat ttttcaaaag aatatgcatc tggtaactc

25381	cccatatata	gttattaaca	ccttatatca	taacttaaaq	qqqqaaaaaa	tagetegeea
		atttttaaac				
		aattaaaaca				
25561	cgtatataca	tgttataaat	cgtttatcac	tgtgcccgca	taagatgtac	tgtgtctctc
		gtgtttttat				
		aatagttttg				
		gtaattgcat				
25801	aaacqcacac	tcgatttcaa	cggcttccga	aaacagttga	tgtattctgg	tgatagcggg
		acatagttat				
		aggtcgttaa				
25981	tgcaatagcc	gcgaacgatg	atacaaaaaa	aatgccctct	ataagaatca	ttagtatata
26041	tttttctgca	acggatgggt	tgtcccgtac	cttttcttcc	aaccattgta	ctttttgttg
		ttattaatag				
		agttgaattt				
26221	ttcaatgtag	taatggtgaa	tatecttttg	ggaaaagagt	tgggttagag	agcccaaatt
26281	aacatttacc	agatcatctg	ccgccgataa	aaatgtaaaa	ataaatctgt	agaatattag
		gttaaacagt				
		ttcgaaatgc				
		tgactgcaat				
26521	taaaqcacaa	ctggtacagg	ttaattcgcc	tcccgcaaac	agtccgctgt	tcgtagcttt
		cagtagtaca				
		ttggaggcgg				
26701	tgattgactt	tggtcaataa	atggcgccct	ttctgcacac	atatcaacga	gatcctcttg
26761	ctcatattca	aacgctgttt	tatattttaa	gaqtqqqtqa	ctattagata	aacaqccaaa
		actgaccatt				
		tacatatctc				
		gtgaccttac				
27001	ctccgttacc	tgtgcagatg	aaactgtggg	cattaacgct	aagaactgcg	agttgtataa
		caaatatcat				
		tcttggtgta				
		ccgccaatct				
27241	taactccgct	atttgtacat	ttaaccgtct	agctggttgg	gaagttaaat	caaatcctaa
		gttgtatgta				
		gattttttac				
		cttgctgtca				
27481	taagcacgtt	gtaagattta	tgctggcaag	attacatacg	ccatgttgat	gagcgtctgc
		atttccgtac				
		cgattacagg				
		attgtgaatg				
27721	tctctctaaa	cgtaaatagg	ttgaagtgaa	tgcctccccg	tgtaatgttc	gaaggatatc
		tcaaaaagag				
		aataaatctg				
		accaacattc				
27961	ttctatgtaa	acacaaactc	cagttggtcg	ttcacaatca	ctgttaattg	ccataaccat
28021	gcaatctaaa	agttttaaaa	ctgcaagaag	acctttcgtt	tgattttccg	taggtattaa
		tgtagagaaa				
		gctcgaacag				
		gccccggtct				
28261	tttctgacat	gccaacgctg	tgaaaaatac	ccgacagaca	tcagtccatg	tataaccatc
28321	atttattccq	ggaataagag	ttqcqatttt	aggcaggttt	acqatttctq	ttgtcacggt
	aaccaccaat	cttaaaaaaa	attoocaaao	caactctaat	ttaccttcct	ctaacttact
	ggccgccagt					
	taaataaaag	tcttcgtact	ttaaagcaga	ctgtagtcca	agggtagcta	aagcggggta
	taaataaaag		ttaaagcaga	ctgtagtcca	agggtagcta	aagcggggta
28501	taaataaaag ttgatctttc	tcttcgtact aaaaacggtt	ttaaagcaga ctaatatagc	ctgtagtcca ccgacgaatt	agggtagcta tcgtccctcc	aagcggggta gcccttcaat
28501 28561	taaataaaag ttgatctttc tgcttggcgg	tcttcgtact aaaaacggtt actcggggag	ttaaagcaga ctaatatagc ttaaacagag	ctgtagtcca ccgacgaatt aattggggaa	agggtagcta tcgtccctcc gtcaaccacg	aagcggggta gcccttcaat tttccatgga
28501 28561 28621	taaataaaag ttgatctttc tgcttggcgg aacggatcgt	tcttcgtact aaaaacggtt actcggggag aggttaatac	ttaaagcaga ctaatatagc ttaaacagag ggcaatggat	ctgtagtcca ccgacgaatt aattggggaa aagttctcca	agggtagcta tcgtccctcc gtcaaccacg caacatcggt	aagcggggta gcccttcaat tttccatgga acactcgctc
28501 28561 28621 28681	taaataaaag ttgatctttc tgcttggcgg aacggatcgt atcttgtcgc	tcttcgtact aaaaacggtt actcggggag aggttaatac gtcaccgcct	ttaaagcaga ctaatatagc ttaaacagag ggcaatggat taagttttga	ctgtagtcca ccgacgaatt aattggggaa aagttctcca gacgatagtg	agggtagcta tcgtccctcc gtcaaccacg caacatcggt ctaatatact	aagcggggta gcccttcaat tttccatgga acactcgctc ccattaattc
28501 28561 28621 28681 28741	taaataaaag ttgatctttc tgcttggcgg aacggatcgt atcttgtcgc caccggtgtg	tcttcgtact aaaaacggtt actcggggag aggttaatac gtcaccgcct gttgattcgg	ttaaagcaga ctaatatagc ttaaacagag ggcaatggat taagttttga gcggaatgat	ctgtagtcca ccgacgaatt aattggggaa aagttctcca gacgatagtg gtattccttg	agggtagcta tcgtccctcc gtcaaccacg caacatcggt ctaatatact tagccatgtt	aagcggggta gcccttcaat tttccatgga acactcgctc ccattaattc gacataatcg
28501 28561 28621 28681 28741	taaataaaag ttgatctttc tgcttggcgg aacggatcgt atcttgtcgc caccggtgtg	tcttcgtact aaaaacggtt actcggggag aggttaatac gtcaccgcct	ttaaagcaga ctaatatagc ttaaacagag ggcaatggat taagttttga gcggaatgat	ctgtagtcca ccgacgaatt aattggggaa aagttctcca gacgatagtg gtattccttg	agggtagcta tcgtccctcc gtcaaccacg caacatcggt ctaatatact tagccatgtt	aagcggggta gcccttcaat tttccatgga acactcgctc ccattaattc gacataatcg
28501 28561 28621 28681 28741 28801	taaataaaag ttgatctttc tgcttggcgg aacggatcgt atcttgtcgc caccggtgtg gtttataatg	tcttcgtact aaaaacggtt actcggggag aggttaatac gtcaccgcct gttgattcgg tcatgaaccg	ttaaagcaga ctaatatagc ttaaacagag ggcaatggat taagttttga gcggaatgat tattaaaaat	ctgtagtcca ccgacgaatt aattggggaa aagttctcca gacgatagtg gtattccttg tcttttgaac	agggtagcta tcgtccctcc gtcaaccacg caacatcggt ctaatatact tagccatgtt tccataacgg	aagcggggta gcccttcaat tttccatgga acactcgctc ccattaattc gacataatcg ataacgtatt
28501 28561 28621 28681 28741 28801 28861	taaataaaag ttgatctttc tgcttggcgg aacggatcgt atcttgtcgc caccggtgtg gtttataatg taggctccgg	tcttcgtact aaaaacggtt actcggggag aggttaatac gtcaccgcct gttgattcgg tcatgaaccg aataaacctt	ttaaagcaga ctaatatagc ttaaacagag ggcaatggat taagttttga gcggaatgat tattaaaaaat taaaccctaa	ctgtagtcca ccgacgaatt aattggggaa aagttctcca gacgatagtg gtattccttg tcttttgaac actcacagct	agggtagcta tcgtccctcc gtcaaccacg caacatcggt ctaatatact tagccatgtt tccataacgg gagttagttc	aagcggggta gcccttcaat tttccatgga acactcgctc ccattaattc gacataatcg ataacgtatt tacaatattg
28501 28561 28621 28681 28741 28801 28861 28921	taaataaaag ttgatctttc tgcttggcgg aacggatcgt atcttgtcgc caccggtgtg gtttataatg taggctccgg tagactccct	tcttcgtact aaaaacggtt actcggggag aggttaatac gtcaccgcct gttgattcgg tcatgaaccg aataaacctt tatatatggt	ttaaagcaga ctaatatagc ttaaacagag ggcaatggat taagttttga gcggaatgat tattaaaaat taaaccctaa tacgtacagc	ctgtagtcca ccgacgaatt aattggggaa aagttctcca gacgatagtg gtattccttg tcttttgaac actcacagct ctgccctcc	agggtagcta tcgtccctcc gtcaaccacg caacatcggt ctaatatact tagccatgtt tccataacgg gagttagttc ccagtatata	aagcggggta gcccttcaat tttccatgga acactcgctc ccattaattc gacataatcg ataacgtatt tacaatattg atatcacgca
28501 28561 28621 28681 28741 28801 28861 28921 28981	taaataaaag ttgatctttc tgcttggcgg aacggatcgt atcttgtcgc caccggtgtg gtttataatg taggctccgg tagactccct aaacccacgc	tcttcgtact aaaaacggtt actcggggag aggttaatac gtcaccgcct gttgattcgg tcatgaaccg aataaacctt tatatatggt tatgttaaat	ttaaagcaga ctaatatagc ttaaacagag ggcaatggat taagttttga gcggaatgat tattaaaaat taaaccctaa tacgtacagc tcagtttatt	ctgtagtcca ccgacgaatt aattggggaa aagttctcca gacgatagtg gtattccttg tcttttgaac actcacagct ctgccctcc ttacatacat	agggtagcta tcgtccctcc gtcaaccacg caacatcggt ctaatatact tagccatgtt tccataacgg gagttagttc ccagtatata gctttaataa	aagcggggta gcccttcaat tttccatgga acactcgctc ccattaattc gacataatcg ataacgtatt tacaatattg atatcacgca taacattcgt
28501 28561 28621 28681 28741 28801 28861 28921 28981	taaataaaag ttgatctttc tgcttggcgg aacggatcgt atcttgtcgc caccggtgtg gtttataatg taggctccgg tagactccct aaacccacgc	tcttcgtact aaaaacggtt actcggggag aggttaatac gtcaccgcct gttgattcgg tcatgaaccg aataaacctt tatatatggt	ttaaagcaga ctaatatagc ttaaacagag ggcaatggat taagttttga gcggaatgat tattaaaaat taaaccctaa tacgtacagc tcagtttatt	ctgtagtcca ccgacgaatt aattggggaa aagttctcca gacgatagtg gtattccttg tcttttgaac actcacagct ctgccctcc ttacatacat	agggtagcta tcgtccctcc gtcaaccacg caacatcggt ctaatatact tagccatgtt tccataacgg gagttagttc ccagtatata gctttaataa	aagcggggta gcccttcaat tttccatgga acactcgctc ccattaattc gacataatcg ataacgtatt tacaatattg atatcacgca taacattcgt
28501 28561 28621 28681 28741 28801 28861 28921 28981 29041	taaataaaag ttgatctttc tgcttggcgg aacggatcgt atcttgtcgc caccggtgtg gtttataatg taggctccgg tagactccct aaacccacgc tccatgtatt	tcttcgtact aaaaacggtt actcggggag aggttaatac gtcaccgcct gttgattcgg tcatgaaccg aataaacctt tatatatggt tatgttaaat tgtaccccc	ttaaagcaga ctaatatagc ttaaacagag ggcaatggat taagttttga gcggaatgat tattaaaaat taaaccctaa tacgtacagc tcagtttatt cacacaaccc	ctgtagtcca ccgacgaatt aattggggaa aagttctcca gacgatagtg gtattccttg tcttttgaac actcacagct ctgccctcc ttacatacat cctctaacca	agggtagcta tcgtccctcc gtcaaccacg caacatcggt ctaatatact tagccatgtt tccataacgg gagttagttc ccagtatata gctttaataa aatagttggc	aagcggggta gccttcaat tttccatgga acactcgctc ccattaattc gacataatcg ataacgtatt tacaatattg atatcacgca taacattcgt acgttataac
28501 28561 28621 28681 28741 28801 28861 28921 28981 29041 29101	taaataaaag ttgatctttc tgcttggcgg aacggatcgt atcttgtcgc caccggtgtg gtttataatg taggctccgg tagactccct aaacccacgc tccatgtatt ctccgaaccg	tcttcgtact aaaaacggtt actcggggag aggttaatac gtcaccgcct gttgattcgg tcatgaaccg aataaacctt tatatatggt tatgttaaat tgtaccccc ttccatgcgt	ttaaagcaga ctaatatagc ttaaacagag ggcaatggat taagttttga gcggaatgat tattaaaaat taaaccctaa tacgtacagc tcagtttatt cacacaaccc cttgtataac	ctgtagtcca ccgacgaatt aattggggaa aagttctcca gacgatagtg gtattccttg tcttttgaac actcacagct ctgccctcc ttacatacat cctctaacca gcacagactc	agggtagcta tcgtccctcc gtcaaccacg caacatcggt ctaatact tagccatgtt tccataacgg gagttagttc ccagtatata gctttaataa aatagttggc tgatggaatt	aagcggggta gcccttcaat tttccatgga acactcgctc ccattaattc gacataatcg ataacgtatt tacaatattg atatcacgca taacattcgt acgttataac gttccaatta
28501 28561 28621 28681 28741 28801 28861 28921 28981 29041 29101 29161	taaataaaag ttgatctttc tgcttggcgg aacggatcgt atcttgtcgc caccggtgtg gtttataatg taggctccgg tagactccct aaacccacgc tccatgtatt ctccgaaccg acgtatatgc	tcttcgtact aaaaacggtt actcggggag aggttaatac gtcaccgcct gttgattcgg tcatgaaccg aataaacctt tatatatggt tatgttaaat tgtaccccc ttccatgcgt cgcatacatg	ttaaagcaga ctaatatagc ttaaacagag ggcaatggat taagttttga gcggaatgat tattaaaaat taaaccctaa tacgtacagc tcagtttatt cacacaaccc cttgtataac caggataatt	ctgtagtcca ccgacgaatt aattggggaa aagttctcca gacgatagtg gtattccttg tcttttgaac actcacagct ctgccctcc ttacatacat cctctaacca gcacagactc gtgtgggaag	agggtagcta tcgtccctcc gtcaaccacg caacatcggt ctaatatact tagccatgtt tccataacgg gagttagttc ccagtatata gctttaataa aatagttggc tgatggaatt tccccgaaaa	aagcggggta gcccttcaat tttccatgga acactcgctc ccattaattc gacataatcg ataacgtatt tacaatattg atatcacgca taacattcgt acgttataac gttccaatta tcgccggtcc
28501 28561 28621 28681 28741 28801 28861 28921 28981 29041 29101 29161	taaataaaag ttgatctttc tgcttggcgg aacggatcgt atcttgtcgc caccggtgtg gtttataatg taggctccgg tagactccct aaacccacgc tccatgtatt ctccgaaccg acgtatatgc	tcttcgtact aaaaacggtt actcggggag aggttaatac gtcaccgcct gttgattcgg tcatgaaccg aataaacctt tatatatggt tatgttaaat tgtaccccc ttccatgcgt	ttaaagcaga ctaatatagc ttaaacagag ggcaatggat taagttttga gcggaatgat tattaaaaat taaaccctaa tacgtacagc tcagtttatt cacacaaccc cttgtataac caggataatt	ctgtagtcca ccgacgaatt aattggggaa aagttctcca gacgatagtg gtattccttg tcttttgaac actcacagct ctgccctcc ttacatacat cctctaacca gcacagactc gtgtgggaag	agggtagcta tcgtccctcc gtcaaccacg caacatcggt ctaatatact tagccatgtt tccataacgg gagttagttc ccagtatata gctttaataa aatagttggc tgatggaatt tccccgaaaa	aagcggggta gcccttcaat tttccatgga acactcgctc ccattaattc gacataatcg ataacgtatt tacaatattg atatcacgca taacattcgt acgttataac gttccaatta tcgccggtcc

29281	atcgagggct	tgtcgggtca	ttggataact	qcacaaqcqq	caacqccctt	gtgttatatg
29341	actaataaat	atttgcaacc	ccttcagtcc	cccaaacaac	attttcagct	catatacatc
20401	gtaggagga	gccaatacca	ccccagecc	attattatt	tagttgggtt	aatocaagat
		accttctcgt				
		cgcggaaaga				
29581	tgttggctgt	gaccctgcga	gttgaagttt	tgtctgtacg	tgcagcttct	tggggacctt
		ggttatattg				
		aaatcgatgt				
		gagccgcgtt				
		cgctgcctgt				
		tacatatgct				
29941	aggcattgaa	taggtttcgt	aaaccctcta	gtagtacatc	ggggtcacgt	ccagcctgtg
30001	taagtgtatt	agcttctcca	atcatgtcag	atggatgacg	aaggattaag	acgattgacc
		aatgtccgga				
		aaaattattt				
		ttgaatgttg				
		ttctgtacgt				
		aattgttaaa				
		gttccctatt				
30421	cacatagcgt	ttgttcgttt	aaagtaaaat	gcgagttggt	tggttgactc	cccatagctg
		ttcacacaat				
		attatacagt				
		tgattggcgt				
30001	aaaaacaccc	tattestett	agatttatat	attttaatta	gegaegeee	taggttttag
		tattgatgtt				
		ataaagttaa				
		acttttggat				
30841	gaccatggtc	accagagaaa	acagaaatcg	ccagagttaa	ggtagttaag	tttttacgat
		aattccagct				
		atattccaat				
		gttttggaga				
		aacccagcta				
		attacgaacc				
		aaatatgtac				
31261	cattcactca	cgctcgtatt	ggaatgttgg	aaagcgccat	tgcagcttta	acacaacata
31321	aatttgcgat	catttacgat	atgccatttg	ttcaagaggg	gattcgtgtt	ttaacacaat
		gcttcttccg				
		acgagccctt				
		catatcagaa				
		cgaagaagcg				
		ttatcgagac				
31681	gacttagatt	agacaatggt	atatgggaaa	gcaacctctt	atcgttgtcc	acccccggaa
31741	ttcatattga	ggcgctgtta	catttactaa	actccgaccc	ggaagcggaa	accacatctg
31801	qaaqtaatqt	agcagaacac	acccqtqqca	tttqqqaaaa	ggttcaggct	agtacatcgc
31861	ctagtatgtt	aataagcacc	cttgccgaat	ccgggtttac	aagattttca	tgcaaattgc
		tattgctcac				
		tacagatttc				
		agtggaaacg				
		gaccgaaaaa				
		acaaattatg				
32221	aagcgacacg	cgtaatacta	cttaatgaaa	tttcacatgc	agaagctaga	gagacaacat
32281	attttaaqca	aacacataat	caatcctcag	gtgcgttatt	accacaaqca	ggacaaagtg
		agccgtacta				
		ggatgtgggt				
		catgataaca				
		tgtggaaccg				
		aacaatagct				
		ggctcgcgat				
		tgctcttata				
		tcacgtttct				
		tgacctgctt				
		cgttttttta				
		aacatcgcag				
		gttaatgtta				
		tggtatctgt				
33121	gtttaaacga	tcttgctgat	gcggttggtc	atattgttgg	gacaatacaa	ggaatccgaa

22121						
22101	cgcaaatgag	agtgggaata	tccagcctgc	gcacaattat	ggccgatgct	tcctcagccc
33241	ttagggaatg	tgaaaattta	atgactaaaa	cctccacttc	tactattaga	cctcttttt
		ttcccggtat				
33361	ttgacaaact	aacaacagga	gaaaatatac	ccggtcttgc	aaatgtagag	attttttaa
33421	ataggtagga	acgaatagca	acagettgta	ggcatgccac	ggcagtcccg	tcggccgaat
		cgtgtgtaat				
33541	taaatgcccc	aacctcatat	atgagtcacg	cccgaaatct	ggaagatcac	aaggcagcag
33601	tttcattcqt	tatggactcc	aggcaacagt	ttattqtqqa	ttctqqacct	cagatgggcg
		ttcacaatgt				
33721	atgataatgt	taaaataacg	acaacggtca	gagacgtaat	ttcagaggct	ccgacgctga
33781	taataqqaca	aagatggctt	cqtccaqatq	agattttatc	taatqtaqat	ttqcqtcttq
		gaatacaagt				
33901	ttaaagtatt	tgtggttttt	attgactggg	cgtttcgttt	gtataacgct	gttgttgcta
33961	qtattttcat	aacctcctag	qtttttqqaq	ctacacgtgc	ttattcaacg	ctctttggga
		cgtaaacgta				
		aattccgcct				
34141	ttgacggtgc	cctgggaccg	gcgtcaggtc	tgtcatgttt	aagaacatct	ttatcgtttt
		atatgcgcat				
		gggtgcagca				
34321	atatgtgtgc	tcttgttgat	ctccccaatc	gaatttcata	tattaaactg	ggggacacta
34381	ccagtacgtg	ctgcgttttg	tctagaatat	acqqcqataq	ccatttttt	accettccae
		tatgtgcaca				
34501	gacgtgaaga	gtcgtataca	attataactg	tagactcaac	gggaatggcc	atctatcgtc
		atcttttatt				
		gaataccacg				
		agaatcccaa				
34741	gtcccgtaag	cgaagaagcg	ctatcttcgg	caqtaacqct	tatatacqqa	agctgtgata
24801	catatttac	agatgaacaa	tattocoasa	aactoottac	ageteaacat	ccattacttc
		taattccacg				
34921	aaaacgttgg	tgaaagtgta	tccttggaag	caaccctaca	ttcaacgtta	accaacacgg
		ccctagatgt				
35041	caacctcgac	tgggtctggc	gttttggatt	gregregrag	acqccqtcct	lealygaete
35101						
	ctccttcaag	cgaggaaaat	ttagcttgta	tcgacgatgg	cttggtaaat	aatacacatt
35161	ctccttcaag ccacggataa	cgaggaaaat tttacataaa	ttagcttgta cccgctaaaa	tcgacgatgg aggttctcaa	cttggtaaat atttaaacca	aatacacatt actgtagacg
35161 35221	ctccttcaag ccacggataa tgccggataa	cgaggaaaat tttacataaa aacacaagtg	ttagcttgta cccgctaaaa gcacatgtat	tcgacgatgg aggttctcaa taccccgcct	cttggtaaat atttaaacca acgagaagtt	aatacacatt actgtagacg gctaacaccc
35161 35221 35281	ctccttcaag ccacggataa tgccggataa cagacgttgt	cgaggaaaat tttacataaa aacacaagtg gttaaatgta	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag	tcgacgatgg aggttctcaa taccccgcct atacgcctga	cttggtaaat atttaaacca acgagaagtt atccagtccc	aatacacatt actgtagacg gctaacaccc actttttcac
35161 35221 35281	ctccttcaag ccacggataa tgccggataa cagacgttgt	cgaggaaaat tttacataaa aacacaagtg gttaaatgta	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag	tcgacgatgg aggttctcaa taccccgcct atacgcctga	cttggtaaat atttaaacca acgagaagtt atccagtccc	aatacacatt actgtagacg gctaacaccc actttttcac
35161 35221 35281 35341	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg
35161 35221 35281 35341 35401	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat
35161 35221 35281 35341 35401 35461	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat aatgttccca
35161 35221 35281 35341 35401 35461	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat aatgttccca
35161 35221 35281 35341 35401 35461 35521	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat aatgttccca ctttttatta
35161 35221 35281 35341 35401 35461 35521 35581	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg
35161 35221 35281 35341 35401 35461 35521 35581 35641	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc
35161 35221 35281 35341 35401 35461 35521 35581 35641	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc
35161 35221 35281 35341 35401 35461 35521 35581 35641 35701	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaatttta aacaaacatg	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccgggggcgg
35161 35221 35281 35341 35401 35461 35521 35581 35641 35701 35761	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaatttta aacaaacatg tggcatgctc	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccgggggcgg attatcgcta
35161 35221 35281 35341 35401 35461 35521 35581 35641 35701 35761 35821	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agttgccatg	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa cgggttcagg	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaaacatg tggcatgctc cgctttacat	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca cttttatta acacatcatg acaggatttc ccgggggcgg attatcgcta gccgaactag
35161 35221 35281 35341 35461 35521 35581 35641 35701 35761 35821 35881	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agtgccatg agcggatcta	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa cgggttcagg ggaggttcgt	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaatttta aacaaacatg tggcatgctc cgctttacat cctctattct	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca cttttatta acacatcatg acaggatttc ccgggggcgg attatcgcta gccgaactag agactgtcga
35161 35221 35281 35341 35461 35521 35581 35641 35701 35761 35821 35881	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agtgccatg agcggatcta	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa cgggttcagg ggaggttcgt	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaatttta aacaaacatg tggcatgctc cgctttacat cctctattct	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca cttttatta acacatcatg acaggatttc ccgggggcgg attatcgcta gccgaactag agactgtcga
35161 35221 35281 35341 35401 35461 35521 35581 35761 35761 35821 35881 35941	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agttgccatg agcggatcta aagtatacta	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa cgggttcagg ggaggttcgt aattcgccta	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaatttta aacaaacatg tggcatgctc cgctttacat cctctattct	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat aatgttccca cttttatta acacatcatg acaggatttc ccgggggcgg attatcgcta gccgaactag agactgtcga tttgccgagc
35161 35221 35281 35341 35401 35461 35521 35581 35761 35761 35821 35881 35941 36001	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agttgccatg agcggatcta aagtatacta ccgtacaggg	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa cgggttcagg ggaggttcgt aattcgccta tccctgtctg	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaaacatg tggcatgctc cgctttacat cctctattct tcccggactt	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat aatgttccca cttttatta acacatcatg acaggatttc ccgggggcgg attatcgcta gccgaactag agactgtcga tttgccgagc gaattagtct
35161 35221 35281 35341 35461 35521 35581 35761 35761 35821 35881 35941 36001 36061	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agttgccatg agcggatcta aagtatacta ccgtacaggg gacacgctat	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa ctgggttcagg ggaggttcgt aattcgccta tccctgtctg atgcgtgaac	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttctttgt	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccgggggcgg attatcgcta gccgaactag agactgtcga tttgccgagc gaattagtct gtaaaggctt
35161 35221 35281 35341 35461 35521 35581 35761 35761 35821 35881 35941 36001 36061	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agttgccatg agcggatcta aagtatacta ccgtacaggg	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa ctgggttcagg ggaggttcgt aattcgccta tccctgtctg atgcgtgaac	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttctttgt	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccgggggcgg attatcgcta gccgaactag agactgtcga tttgccgagc gaattagtct gtaaaggctt
35161 35221 35281 35341 35461 35521 35581 35761 35761 35821 35881 35941 36001 36061 36121	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agttgccatg agcggatcta aagtatacta ccgtacaggg gacacgctat attacggtct	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa ctgggttcagg ggaggttcgt aattcgcta tccctgtctg atgcgtgaac acccgcaata	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttctttgt tgtttctagt cattcaaata	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccgggggcgg attatcgcta gccgaactag agactgtcga tttgccgagc gaattagtct gtaaaggctt ccagaagttc
35161 35221 35281 35341 35461 35521 35581 35761 35761 35821 35881 35941 36001 36061 36121 36181	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggccettg tttgcgttta cgttgtatca ggaacttata taaaactgtt agttgccatg agcggatcta aagtatacta ccgtacaggg gacacgctat attacggtct cccggaagaa	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa ctgggttcagg ggaggttcgt aattcgcta tccctgtctg atgcgtgaac acccgcaata accgacattc	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttctttgt tgtttctagt cattcaaata gttaattcgg	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat aatgttccca cttttatta acacatcatg acaggatttc ccgggggcgg attatcgcta gccgaactag agactgtcga tttgccgagc gaattagtct gtaaaggctt ccagaagttc cgtgtatatg
35161 35221 35281 35341 35401 35521 35581 35761 35761 35821 35881 35941 36001 36061 36121 36181 36241	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agttgccatg agcggatcta aagtatacta ccgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa ctgggttcagg ggaggttcgt aattcgcta tccctgtctg atgcgtgaac acccgcaata accgacattc atgctattga	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac	aatacacatt actgtagacg gctaacaccc actttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggagttc ccgggggggg attatcgcta gccgaactag agactgtcga tttgccgagc gaattagtct gtaaaggctt ccagaagttc cgtgtatatg ttcacccgcg
35161 35221 35281 35341 35401 35521 35521 35581 35761 35761 35821 35881 35941 36001 36061 36121 36181 36241 36301	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc gagtgttata	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agttgccatg agcggatcta aagtatacta ccgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa ctgggttcagg ggaggttcgt aattcgcta tccctgtctg atgcgtgaac acccgcaata accgacattc atgctattga gccttgatcg	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggagtcc actattccca gacaggagcg attatcgcta gccgaactag agactgtcga tttgccgagc gaattagtct ctagaagttc ccgtgtatatg ttcacccgcg tttcgggtcg
35161 35221 35281 35341 35401 35521 35521 35581 35761 35761 35821 35881 35941 36001 36061 36121 36181 36241 36301	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc gagtgttata	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agttgccatg agcggatcta aagtatacta ccgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa ctgggttcagg ggaggttcgt aattcgcta tccctgtctg atgcgtgaac acccgcaata accgacattc atgctattga gccttgatcg	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggagtcc actattccca gacaggagcg attatcgcta gccgaactag agactgtcga tttgccgagc gaattagtct ctagaagttc ccgtgtatatg ttcacccgcg tttcgggtcg
35161 35221 35281 35341 35401 35461 35521 35581 35761 35761 35821 35881 36941 36001 36121 36181 36241 36301 36361	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgcgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc gagtgttata cgaccgcaag	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agttgccatg agcggatcta aagtatacta ccgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcacc	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttacaa ctccggaaaa ctgcgttacaa ctccggaaaa cgggttcagg gaggttcgt aattcgcta tccctgtctg atgcgtgaac acccgcaata accgacattc atgctattga gcttgatcg attcaacgc	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc ttttagattc	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt tcttccggaa	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccggggggggg attatcgcta gccgaactag agactgtcga tttgccgagc gaattagtct ccagaagttc cctgtatatg ttcacccgcg tttcgggtcg ttcgacgcta
35161 35221 35281 35341 35401 35461 35521 35581 35701 35761 35821 35881 36941 36001 36121 36181 36241 36301 36361 36361 36421	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc gagtgttata cgaccgcaag aattaacggc	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agttgccatg agcggatcta agcggatcta ccgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcaccc aatcatatcg	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttacaa ctccggaaaa ctccggaaaa cgggttcagg ggaggttcgt aattcgcta tccctgtctg atgcgtgaac accgcaata accgacattc atgctattga gcttgatcg attcaacggc tccctgtcta	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc ttttagattc tacaccctcc	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt tcttccggaa tcttccggaa tcttccggaa tcctgagact	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccgggggggcgg attatcgcta gccgaactag agactgtcga tttgccgagc gaattagtct ccagaagttc cctgtgtatatg ttcacccgcg tttcgggtcg ttcgacgcta atacaaaatc
35161 35221 35281 35341 35401 35461 35521 35581 35701 35761 35821 35881 35941 36001 36061 36121 36181 36241 36301 36361 36361 36421 36481	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc gagtgttata cgaccgcaag aattaacggc tccccgtcgt	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agttgccatg agcggatcta agcggatcta ccgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcaccc aatcatatcg atctctgtta	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttacaa ctccggaaaa ctgcgtaaaa cgggttcagg ggaggttcgt aattcgcta tccctgtctg atgcgtgaac accgcaata accgacattc atgctattga gcttgatcg attcaacggc tcctgtcta aaagagctta aaagagctta	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc ttttagattc tacaccctcc ttaaagaagg	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt tcttccggaa tcttccggaa tcttccggaat tcttcggaat	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccgggggggggg
35161 35221 35281 35341 35461 35521 35581 35761 35761 35821 35881 35941 36001 36121 36181 36241 36301 36361 36361 36421 36481 36541	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac actcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc gagtgttata cgaccgcaag aattaacggc tcccgtcgt cggctctcgt	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt taggccttg tttgcgttta cgttgtatca ggaacttata tagacactgt agcggatcta agcggatcta agcggatcta ccgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcaccc aatcatatcg atctctgtta atcgtggtta	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgcag acgggatttg gactttacaa ctccggaaaa ctccggaaaa ctccggaaca ctcctgtctg atgcgttcat accctgctat acccgcaata accgacattc atgctattga gcttgatcg atgcttattga gccttgatcg atcctgtctg atgctattga tccctgtcta accgacattc atgctattga ccctgtcta accgacattc	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc ttttagattc tacaccctcc ttaaagaagg gggaagctca	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt tcttccggaa tcctgagact ggaagattta aaccgcaggt	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccggggggcg attatcgcta gccgaactag agactgtcga tttgccgagc gaattagtct gtaaaggctt ccagaagttc cgtgtatatg ttcacccgcg tttcgggtcg ttcgacgcta atacaaaatc aacacagaca tacttatcca
35161 35221 35281 35341 35461 35521 35581 35761 35761 35821 35881 35941 36001 36121 36181 36241 36301 36361 36361 36421 36481 36541	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac actcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc gagtgttata cgaccgcaag aattaacggc tcccgtcgt cggctctcgt	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt taggccttg tttgcgttta cgttgtatca ggaacttata tagacactgt agcggatcta agcggatcta agcggatcta ccgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcaccc aatcatatcg atctctgtta atcgtggtta	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgcag acgggatttg gactttacaa ctccggaaaa ctccggaaaa ctccggaaca ctcctgtctg atgcgttcat accctgctat acccgcaata accgacattc atgctattga gcttgatcg atgcttattga gccttgatcg atcctgtctg atgctattga tccctgtcta accgacattc atgctattga ccctgtcta accgacattc	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc ttttagattc tacaccctcc ttaaagaagg gggaagctca	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt tcttccggaa tcctgagact ggaagattta aaccgcaggt	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccggggggcg attatcgcta gccgaactag agactgtcga tttgccgagc gaattagtct gtaaaggctt ccagaagttc cgtgtatatg ttcacccgcg tttcgggtcg ttcgacgcta atacaaaatc aacacagaca tacttatcca
35161 35221 35281 35341 35461 35521 35581 35701 35761 35821 35881 35941 36001 36121 36181 36241 36361 36361 36421 36481 36541 36541 36601	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacacg cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc gagtgttata cgaccgcaag aattaacggc tccccgtcgt cggctctcgt gacgagagtt	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt taggccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agtgccatg agcgcatg agcggatcta acgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcaccc aatcatatcg atctctgtta atcgtggtta atcgtggtta cgatgaatta	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgcag acgggatttg gactttacaa ctccggaaaa ctccggaaaa ctccggaaca ctcctgtctg atgcgttcat accctgtctg atgcgtaac acccgcaata accgacattc atgctattga gcttgatcg attcaacggc tccctgtcta aaagagctta acagacatta tccctgtctg	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc ttttagattc tacaccctcc ttaaagaagg gggaagctca ttaaaaccat	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaacatg tggcatgctc cgctttacat cctctatct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt tcttccggaa tcctgagact ggaagattta aaccgcaggt taatacacgc	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccgggggcgg attatcgcta gccgaactag agacttgcga ttgccgagc gaattagtct gtaaaggctt ccagaagttc cgtgtatatg ttcacccgcg tttcgggtcg ttcgacgcta atacaaaatc aacacagaca tacttatcca gcaacgcaac
35161 35221 35281 35341 35461 35521 35581 35701 35761 35821 35881 35941 36001 36121 36181 36241 36301 36361 36421 36481 36541 36601 36661	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc gagtgttata cgaccgcaag aattaacggc tccccgtcgt cggctctcgt gacgagagtt gggcttccgc	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt taaggcccttg tttgcgttta cgttgtatca ggaacttata taatactgtt agtggatcta agcggatcta acgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcaccc aatcatatcg atctctgtta acgtgaatta aggaagagag	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgcag acgggatttg gactttacaa ctccggaaaa ctccggaaaa ctccggaatcgt aattcgcta tccctgtctg atgcgttatga acccgcaata accgacattc atgctattga gctttgatcg attcaacggc tccctgtcta aaagagctta tctgtagtcg tcacgtacaa tctgtagtcg	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttattctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc ttttagattc tacaccctcc ttaaagaagg gggaagctca ttaatacgct	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaacatg tggcatgctc cgctttacat cctctatct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt tcttccggaa tcctgagact gtaagatta accgcaggt taatacacgc aagcgcgcc	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccggggggcga attatcgcta gccgaactag agacttgcga tttgccgagc gaattagtct gtaaaggctt ccagaagttc cgtgtatatg ttcacccgcg tttcgggtcg ttcgacgcta atacaaaatc aacacagaca tacttatcca gcaacgcaac
35161 35221 35281 35341 35461 35521 35581 35701 35761 35821 35881 36001 36061 36121 36181 36241 36361 36361 36421 36481 36541 36601 36661 36661 36721	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc gagtgttata cgaccgcaag aattaacggc tccccgtcgt cggctctcgt gacgagagtt gggcttccgc ccgtaaagga	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agtggatcta agtatacta ccgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcaccc aatcatatcg atctctgtta atcgtggtta cgatgaatta ggaagcagag ctatgaaaca	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa ctccggaaaa ctgcgttcgt aattcgcta tccctgtctg atgcgtgaac accgcaata accgacattc atgctattga gctttgatcg tcctgtctg atgcttatag ccttgatcg tcctgtctg atgcttattga cctgcaata accgacattc atgctattga gcttgatcg tccctgtcta aaagagctta tctgtagtcg tcacgtacaa ttgtcttgct tataacaatg	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc ttttagattc tacaccctcc ttaaagaagg gggaagctca ttaatacgct gtgaggtcaa	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta acaaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt tcttccggaa tcctgagact tcttccggaa tcctgagact tcttcggaa tcctgagact tcttccggaa tcctgagact gaagattta aaccgcaggt taatacacgc aagcgcggcc gtatcctgaa	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccgggggcga attatcgcta gccgaactag agacttgcga ttgccgagc gaattagtct gtaaaggctt ccagaagttc cgtgtatatg ttcacccgcg tttcgggtcg ttcgacgcta atacaaaatc aacacagaca tacttatcca gcaacgcaac
35161 35221 35281 35341 35461 35521 35581 35701 35761 35821 35881 36001 36061 36121 36181 36241 36361 36361 36421 36481 36541 36601 36661 36661 36721	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc gagtgttata cgaccgcaag aattaacggc tccccgtcgt cggctctcgt gacgagagtt gggcttccgc ccgtaaagga	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt taaggcccttg tttgcgttta cgttgtatca ggaacttata taatactgtt agtggatcta agcggatcta acgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcaccc aatcatatcg atctctgtta acgtgaatta aggaagagag	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa ctccggaaaa ctgcgttcgt aattcgcta tccctgtctg atgcgtgaac accgcaata accgacattc atgctattga gctttgatcg tcctgtctg atgcttatag ccttgatcg tcctgtctg atgcttattga cctgcaata accgacattc atgctattga gcttgatcg tccctgtcta aaagagctta tctgtagtcg tcacgtacaa ttgtcttgct tataacaatg	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc ttttagattc tacaccctcc ttaaagaagg gggaagctca ttaatacgct gtgaggtcaa	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta acaaacatg tggcatgctc cgctttacat cctctattct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt tcttccggaa tcctgagact tcttccggaa tcctgagact tcttcggaa tcctgagact tcttccggaa tcctgagact gaagattta aaccgcaggt taatacacgc aagcgcggcc gtatcctgaa	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccgggggcga attatcgcta gccgaactag agacttgcga ttgccgagc gaattagtct gtaaaggctt ccagaagttc cgtgtatatg ttcacccgcg tttcgggtcg ttcgacgcta atacaaaatc aacacagaca tacttatcca gcaacgcaac
35161 35221 35281 35341 35461 35521 35581 35701 35761 35821 35881 36001 36121 36181 36241 36361 36361 36421 36481 36541 36601 36661 36721 36781	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccgc aatatgctat agtttggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc gagtgttata cgaccgcaag aattaacggc tccccgtcgt cggctctcgt gacgagagtt gggcttccgc ccgtaaagga atgatttatt	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt taaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agtgggatcta agcaggatcta acgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcaccc aatcatatcg atctctgtta aggagcaccc aatcatatcg atcgtggtta cgatgaatta ggaagcagag ctatgaaaca agcaacaatt	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgcag acgggatttg gactttacaa ctccggaaaa ctccggaaaa ctccggaatcat gaggttcagg gaggttcgt aattcgcta tcctgtctg atgcgtaac accgcaata accgacattc atgctattga gctttgatcg attcaacggc tccctgtcta aaagagctta tctgtagtcg tcacgtacaa tctgtagtcg tcacgtacaa tctgtagtcg tcacgtacaa ttgtcttgct tataacaatg gtacgtgcta	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgatatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc ttttagattc ttacaccctcc ttaaagaagg gggaagctca ttaatacgct gtgaggtcaa cagacgattt	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaacatg tggcatgctc cgctttacat cctctatct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt tcttccggaa tcctgagact gaagattta accgcaggt taatacacgc aggcggcc gtatcctgaa ggtgcgacag	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccgggggcga attatcgcta gccgaactag agacttgcga ttgccgagc gaattagtct gtaaaggctt ccagaagttc cgtgtatatg ttcacccgcg tttcgggtcg ttcgacgcta atacaaaatc aacacagaca tacttatcca gcaacgcaac
35161 35221 35281 35341 35461 35521 35581 35701 35761 35821 35881 36001 36121 36181 36241 36361 36361 36421 36481 36541 36601 36661 36721 36781 36841	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccga aatatggtct atgtgttaga caggtcttat ttattccaac cggcccggga tagagaatgc cccaggaacc agatacgatc gagtgttata cgaccgcaag aattaacggc tccccgtcgt cggctctcgt gacgagagtt gggcttccgc ccgtaaagga atgatttatt taggctccgc cccgtaaagga atgatttatt	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt taggcccttg tttgcgttta cgttgtatca ggaacttata tagtagcatg agcggatcta aagtatacta ccgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcaccc aatcatatcg atctctgtta atcgtggta cgatgaatta cgatgaatta atgaacaaga ctatgaaaca agcaacaatt aatgatccaa	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa ctgcggtccta atccctgtctg atgcgtgaac acccgcaata accgacattc atgctattga gctttgatcg attcaacggc tcctgtcta acgacattc atgctattga gccttgatcg attcaacggc tccctgtcta acaagagctta tctgtagtcg tcacgtacaa tctgtagtcg tcacgtacaa tctgtagtcg tcacgtacaa tcgtcttgct tataacaatg gtacgtgcta tccggtttac	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgtatt aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc ttttagattc tacaccctcc ttaaagaagg gggaagctca ttaatacgct gtgaggtcaa cagacgattt aaccttcgat	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaaacatg tggcatgctc cgctttacat cccttattt tcttcttgt tcttcttgt tgttctagactt tcattcaaata gttaattcgg tacagaatac ccctaggcgt tcttccggaa tcctgagact tcttcggaa tcctgagact gaagattta aaccgcaggt taatacacgc aggcgcc gtatcctgaa ggtgcgacag taaaagacga	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccgggggcga attatcgcta gccgaactag agacttgcga ttgccgagc gaattagtct gtaaaggctt ccagaagttc cgtgtatatg ttcacccgcg ttcgggtcg ttcgacgcta atacaaaatc aacacagaca tacttatcca gcaacgcaac
35161 35221 35281 35341 35461 35521 35581 35701 35761 35821 35881 36001 36121 36181 36241 36361 36361 36421 36361 36421 36481 36541 36601 36661 36721 36781 36841 36901	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccga atattggtct atgtgttaga cagtcttat ttattccaac cggcccggga tagagaatgc cccagggaacc agatacgatc gagtgttata cgaccgcaag aattaacggc tccccgtcgt cggctctcgt gacgagagtt gggcttccgc ccgtaaagga atgatttatt tagtgatcc ggcttaaaga atgatttatt	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt taggcccttg tttgcgttta cgttgtatca ggaacttata tagtagcatga aggagtacta aagtatacta ccgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcaccc aatcatatcg atctctgtta atcgtggta cgatgaatta cgatgaatta aggagaccc aatcatatcg atctctgtta atcgtggtta cgatgaatta ggaagcagag ctatgaaaca agcaacaatt aatgatccaa ggttcagacg	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa ctgcggtacat tccctgtctg atgcgtgaac acccgcaata accgacattc atgctattga gctttgatcg ttatagg ttacagg ttacagg ttacagg ttactgt atgcttattga gccttgatcg atcctgtctg atgctttattga gccttgatcg atccagacattc atgctattga gctttgtct tcacagacatt tcacgtcaca tcgtctgtcta acagagctta tctgtagtcg tcacgtacaa ttgtcttgct tataacaatg gtacgtgcta tccggtttac tatgcaaacg	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc tttagattc ttacaccctcc ttaaagaagg gggaagctca ttaatacgct gtgaggtcaa cagacgattt aaccttcgat acacctcgataga cctcggctgt ctgaacaatc ttaatacgct gtgaggtcaa cagacgattt aaccttcgat aggcccgaac	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaaacatg tggcatgctc cgctttacat ccttattt tcttcttgt tcttcttgt tgttctagactt tcattcaaata gttaattcgg tacagaatac ccctaggcgt tcttccggaa tcctgagact ggaagattta aaccgcaggt taatacacgc ggaagattta aaccgcaggt taatacacgc ggaagatcggcc gtatcctgaa ggtgcgacag taaaagacga cacacaggac	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccgggggcga attatcgcta gcgaactag agactggac ttgccgagc gaattagtct gtaaaggctt ccagaagttc cgtgtatatg ttcacccgcg ttcgggtcg ttcgacgcta atacaaaatc aacacagaca tacttatcca gcaacgcaac
35161 35221 35281 35341 35461 35521 35581 35701 35761 35821 35881 36001 36121 36181 36241 36361 36361 36361 36421 36481 36541 36601 36661 36721 36781 36841 36901 36961	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccga atattggtct atgtgttaga cagtcttat ttattccaac cggcccggga tagagaatgc cccagggacc agatacgatc gagtgttata cgaccgcaag aattaacggc tccccgtcgt cggctctcgt gacgagagtt gggcttccgc ccgtaaagga atgatttatt taagtgatc cggcttaaagga atgatttatt tggcttccgc cggagagtt gggcttccgc cggcttaaagga atgatttatt taagtgatca ggcttaaaga gtcgaaaaca	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt aaggcccttg tttgcgttta cgttgtatca ggaacttata taaaactgtt agtggatcta aagtatacta ccgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcaccc aatcatatcg atctctgtta atcgtggta cgaagttaca tagcacacgg tacggcaccc aatcatatcg atctctgtta atcgtggta cgaagtaca tagcacacgg tacggcaccc aatcatatcg atctctgtta atcgtggta cgaagcagag ctatgaaaca agcacaatt aatgatccaa ggtcagacg ggcggcatat	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa ctgggttccta tcctgtctg atgcgtgaac accgcaata accgacattc atgctattga gctttgatcg ttaacggc tcctgtcta accgacattc atgctattga gctttgatcg attcaacggc tcctgtcta acagacttc tcatgtcgc tcacgtacaa tcgtattga gctttgatcg attcacgtcaca tcgtagtcg tcacgtacaa tcgtagtcg tcacgtacaa tcgtagtcg tcacgtacaa tcgtagtcg tcacgtacaa tcgggtttac tataacaatg gtacgtgcta tccgggtttac tatgcaaacg aataaactcg	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgtatat aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc tttagattc ttaaagattc ttaaagattc ttaaagatc tttaagattc ttaaaccctcc ttaaagaagg gggaagctca ttaatacgct gtgaggtcaa cagacgattt aaccttcgat aggcccgaac gggggttact	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaaacatg tggcatgct cctttatct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt tctccggaa tcctgagact ggaagattta aaccgcaggt tcatacacgc ggaagattta aaccgcaggt taatacacgc aggcgcc gtatcctgaa ggtgcgacag taaaagacga cacacaggac tcgcccggta	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccggggggcg attatcgcta gcgaactag attgccgac gaattagtct gtaaaggctt ccagaagttc cgtgtatatg ttcacccgcg ttcgggtcg ttcgacgcta atacaaaatc acacagaca tacttatcca gcaacgcaac
35161 35221 35281 35341 35461 35521 35581 35701 35761 35821 35881 36001 36121 36181 36241 36361 36361 36361 36421 36481 36541 36601 36661 36721 36781 36841 36901 36961	ctccttcaag ccacggataa tgccggataa cagacgttgt ggaacatgaa gtgatgtcaa acgtacaaaa tttgggtaac acctcaccat gtgctacaag cctccgccga atattggtct atgtgttaga cagtcttat ttattccaac cggcccggga tagagaatgc cccagggacc agatacgatc gagtgttata cgaccgcaag aattaacggc tccccgtcgt cggctctcgt gacgagagtt gggcttccgc ccgtaaagga atgatttatt taagtgatc cggcttaaagga atgatttatt tggcttccgc cggagagtt gggcttccgc cggcttaaagga atgatttatt taagtgatca ggcttaaaga gtcgaaaaca	cgaggaaaat tttacataaa aacacaagtg gttaaatgta tgtaggaagc catggttgtc tgcggtgggt taggcccttg tttgcgttta cgttgtatca ggaacttata tagtagcatga aggagtacta aagtatacta ccgtacaggg gacacgctat attacggtct cccggaagaa cgaagttaca tagcacacgg tacggcaccc aatcatatcg atctctgtta atcgtggta cgatgaatta cgatgaatta aggagaccc aatcatatcg atctctgtta atcgtggtta cgatgaatta ggaagcagag ctatgaaaca agcaacaatt aatgatccaa ggttcagacg	ttagcttgta cccgctaaaa gcacatgtat tccaatgtag agtttgaaag gaaaaactac acgttggata gttatgccag acgggatttg gactttatag cgcgttacaa ctccggaaaa ctgggttccta tcctgtctg atgcgtgaac accgcaata accgacattc atgctattga gctttgatcg ttaacggc tcctgtcta accgacattc atgctattga gctttgatcg attcaacggc tcctgtcta acagacttc tcatgtcgc tcacgtacaa tcgtattga gctttgatcg attcacgtcaca tcgtagtcg tcacgtacaa tcgtagtcg tcacgtacaa tcgtagtcg tcacgtacaa tcgtagtcg tcacgtacaa tcgggtttac tataacaatg gtacgtgcta tccgggtttac tatgcaaacg aataaactcg	tcgacgatgg aggttctcaa taccccgcct atacgcctga atcggaagcc tacaacatgg ctgttattac acgaaaagga tggtggaaaa gtccccttgg gtttgtatat aatgtacaat atacaaccgg cgcccataga ttatttctca aacgaatacg acaccgcgct aaattgatgc cacccgaaga cctcggctgt ctgaacaatc tttagattc ttaaagattc ttaaagattc ttaaagatc tttaagattc ttaaaccctcc ttaaagaagg gggaagctca ttaatacgct gtgaggtcaa cagacgattt aaccttcgat aggcccgaac gggggttact	cttggtaaat atttaaacca acgagaagtt atccagtccc atttctattt gcatgaaatt cggtcataca tccattggag tggaacacgt ggaaattta aacaaacatg tggcatgct cctttatct tcccggactt tcttcttgt tgttctagt cattcaaata gttaattcgg tacagaatac ccctaggcgt tctccggaa tcctgagact ggaagattta aaccgcaggt tcatacacgc ggaagattta aaccgcaggt taatacacgc aggcgcc gtatcctgaa ggtgcgacag taaaagacga cacacaggac tcgcccggta	aatacacatt actgtagacg gctaacaccc acttttcac gaacagagtg agcaatggat aatgttccca ctttttatta acacatcatg acaggatttc ccggggggcg attatcgcta gcgaactag attgccgac gaattagtct gtaaaggctt ccagaagttc cgtgtatatg ttcacccgcg ttcgggtcg ttcgacgcta atacaaaatc acacagaca tacttatcca gcaacgcaac

10 of 33

37081	gagccctggt	aaatctcagg	accaaaqtct	tagaggcgcc	ggtagagatc	cqttctcaac
		tttctgggcg				
		atctgtctta				
		tacggagtat				
37321	tgcttgcatc	cgacatcgcg	accgtatcta	ctaacccgga	aagtgagtee	gccataaacg
37381	ctgttgttgc	aactcttagt	aaagcgacgt	tagtttcatc	tacagtgcca	gccttatcct
37441	ttgtgttgtc	gttatataaa	aaatatcagg	ctttacaaca	agaaattacg	aatacccata
37501	agttgactga	attacaaaaa	caacttggag	atgacttctc	caccctagct	gtctcatctg
37561	gacacttgaa	gtttatatca	tcttcaaatg	tagatgatta	tgaaataaac	gatgcgatat
		aacaaatgtg				
37681	tgcaaaagct	accccccat	tgtattgctg	ggacatctac	cttatctcga	gtagtaaagg
		actcgtcaca				
		acgtgcacat				
37861	gtgatattat	agcatgtctg	gaggcaatgg	aaacgcgcca	tatatttaac	gggacagaac
37921	tagcacagtt	gcgagatatg	accactacaa	gagggtttga	tatacacqca	gtttacccac
		ggttgtagcg				
		tccatatacc				
38101	gagggttaac	atggtttgat	gattttttga	ttatggettet	tgtattcatt	gitatgitti
		tattgaggga				
		gtctattaat				
		acaaataccc				
		aaccgaaagt				
38401	ccggggctaa	acttacagaa	gcaaataagg	ctttggagga	agtaactcat	gttcgggcac
38461	acgaaacggc	taaacttgca	cttaaagaag	gtgtcttcat	tacattacca	agcgaaggtt
38521	tattgattcg	ggctatagag	tattttacaa	ctttcgatca	taaacgattt	ataggaacgg
		agttttacaa				
		tcgtatggtg				
		tacggccaat				
38761	agacgttatt	aaaactaacc	cccctccca	aaacaattgc	attggccatt	gatagateta
		ggacattgtc				
		ggacattcag				
		aagtgtgcgt				
		ttatgcgtta				
39061	gtgaggttac	gtgggacgat	gcatggacaa	Catttaaaay	ayaaacgggg	gatatgitgg
39121	catcggggga	cacgtacgct	actteegtag	atagtataaa	ggeaeteeag	geateggegt
		catgctttgt				
39241	accgtctcca	aaaaaagcaa	caggaacgta	aaacggcgtt	ggatgttgtg	ttgcaaaaac
		tgaagagacc				
		tgacgttctt				
		aaaaacacag				
39481	tgtatgcaag	ttatgctgag	atttttccac	ccgcgtctcc	aaacggagta	tttgctccta
39541	ttcccgccat	gtcgggtgta	tgtctagaag	accaatcccg	atgcattcgc	gcgcgggtgg
		gggggaggcg				
		tggaaaaaat				
		ttataaatca				
		acgaccggca				
		ggccaatgag				
		tgccttttcc				
		agccattgca				
		tcattgggac				
		tggactaact				
		tgatattgta				
		ggatttaatt				
		atttagaggt				
		cttttttaat				
		tcctaccggc				
40441	ttaaaatgcc	acagaaaata	acggatcctt	ttgcgccatg	gcaactttcc	ccccccccg
40501	gggtaaaggc	caatgtcgat	gcagttaccc	gtataatggc	aacagatcgt	cttgcgacca
		tgggcgcatg				
		ggaattcgca				
		gtcatccacg				
		tacagaccgt				
		agtaacgggg				
		ggctatttta				
		aaattccgga				
	22222224	a				5555

4104 4110 4116 4122 4128 4134 4140 4152 4158 4164 4170 4176 4182 4206 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	ctacagattc tactgcatat tgtccgcgct acgaacatat attatgtggt aggactcttt cgcccaagg agtctccgt agcccgcgca tagaaccggga tacttaagca tacctaagca tacctaagca tacctaaacc cttggattga ccttggattga cctatcgcgga acctatatca ctacgcggga tactgcggga cctatatca ctatcgtact ttaatgccga cactgttaag cactgtag	ggatcctcac cattgcaaac gaatccctct cttttggggg cccctcgtgt cccccaaac tcaagttgtt gccgcgcag cacacaaata ataacacc gtcggattgg aatacttgag aatactaaat agtatccac ccaaacggac cgtacacaca aagtgattt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacaccta	ccaattgaaa aaacctctta tatgttttat ccagaatctc cccgatgatc ctcgacacaa agaagttcca cccgcgcagc gtggtacaaa cccttgtatg tccattaaaa aaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	atgcatgttt caaacaatcc gggaacgaaa ttattgattt cattttactc ctgatttta aatgtaaaaa ccgcgcagac attttaagaa tggaaaccga caaccgtttg cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	aattgtccaa cccgtgttta agactcgatt gccgtacatc gcaaattatt cccaacggag aatgcccgtc cgtccagcc accccaaagc atcagaaacg taaaagtatt ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	ctagaaaaac ctgctattgg ccagctccgg gactccgatg gccggttatg ccactattta cggcccgcgc gcgcagcca gtaaaaacaa gctgtgctta accccacaa aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4104 4110 4116 4122 4128 4134 4140 4152 4158 4164 4170 4176 4182 4206 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	tactgcatat tgtccgcgct acgaacatat attatgtggt aggactcttt cgccccaagg agtctccgt agcccgcgca tagaaccggg cccttagcca ataaccaatt tcagtaaacc cttggattga actccaaaac cttggattga actccaaaac cttcgcgga acctatatca ctatcgtact ttaatgccga taatggacca taatggacca cactgttaag cactgttaac cactgttaag cactgttaac cactgttaag	ggatcctcac cattgcaaac gaatccctct cttttggggg cccctcgtgt cccccaaac tcaagttgtt gccgcgcag cacacaaata ataacacc gtcggattgg aatacttgag aatactaaat agtatccac ccaaacggac cgtacacaca aagtgattt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacaccta	ccaattgaaa aaacctctta tatgttttat ccagaatctc cccgatgatc ctcgacacaa agaagttcca cccgcgcagc gtggtacaaa cccttgtatg tccattaaaa aaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	atgcatgttt caaacaatcc gggaacgaaa ttattgattt cattttactc ctgatttta aatgtaaaaa ccgcgcagac attttaagaa tggaaaccga caaccgtttg cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	aattgtccaa cccgtgttta agactcgatt gccgtacatc gcaaattatt cccaacggag aatgcccgtc cgtccagcc accccaaagc atcagaaacg taaaagtatt ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	ctagaaaaac ctgctattgg ccagctccgg gactccgatg gccggttatg ccactattta cggcccgcgc gcgcagcca gtaaaaacaa gctgtgctta accccacaa aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4110 4116 4122 4128 4134 4140 4152 4158 4164 4176 4182 4188 4194 4200 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	tgtccgcgct acgaacatat attatgtggt aggactcttt cgccccaagg agtctccgt agccgcgca tagaaccggg cccttagcca tacctaagca tacctaagca tacctaagca ccttggatga ccgatgcccc tccgcggga acctatatca ccgatgcccc ttaccgagga acctatatca ctatcgtact ttaatgccga taatgacca ttaatgccga cactgttaag taatggacca tgaacatatat gaacatatat cgccttgggc	cattgcaaac gaatccctct cttttggggg cccctcgtgt ccccccaaac tcaagttgtt gcccgcgcag cacacaaata aaaagatatt attaaccacc gtcggattgg aatacttgag aatacttgag aatactcaac ccaaacggac cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	aaacctctta tatgttttat ccagaatctc cccgatgatc ctcgacacaa agaagttcca cccgcgcagc gtggtacaaa cccttgtatg tccattaaaa aaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	caaacaatcc gggaacgaaa ttattgattt cattttactc ctgattttta aatgtaaaaa ccgcgcagac attttaagaa tggaaaccga caaccgtttg cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	cccgtgttta agactcgatt gccgtacatc gcaaattatt cccaacggag aatgcccgtc cgtccagccc accccaaagc atcagaaacg taaaagtatt ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	ctgctattgg ccagctccgg gactccgatg gccggttatg ccactattta cggcccgcgc gcgcagcca gtaaaaacaa gctgtgctta accccacaa aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgcaaact ccgaacagag agtgaaaatt gtacgcgttg
4116 4122 4128 4134 4140 4152 4158 4164 4170 4176 4182 4218 4220 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	l acgaacatat l attatgtggt l aggactcttt cgccccaagg l agtctcccgt l agcccgcgca l tagaaccggg l cccttagcca l tacctaagca l tacctaagca cttggattga ccgatgccc ttccgcggga cctatctat ctatcgtact ttaatgccga cactgttaag cactgttaac cgatgccca cactgttaag cactgttaac cactgttac cactgtac	gaatccctct cttttggggg cccctcgtgt ccccccaaac tcaagttgtt gcccgcgcag cacacaaata aaaagatatt attaaccacc gtcggattgg aatacttgag aatacttgag aaaatcaaat agtattccac ccaaacggac cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	tatgttttat ccagaatctc cccgatgatc ctcgacacaa agaagttcca cccgcgcagc gtggtacaaa cccttgtatg tccattaaaa aaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	gggaacgaaa ttattgattt cattttactc ctgatttta aatgtaaaaa ccgcgcagac attttaagaa tggaaaccga caaccgtttg cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	agactcgatt gccgtacatc gcaaattatt cccaacggag aatgcccgtc cgtccagccc accccaaagc atcagaaacg taaaagtatt ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	ccagctccgg gactccgatg gccggttatg ccactattta cggcccgcgc gcgcagccca gtaaaaacaa gctgtgctta accccaccaa aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4122 4128 4134 4140 4152 4158 4164 4170 4176 4182 4188 4194 4200 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	attatgtggt aggactettt cgccccaagg agteteccgt agcccgcgca tagaaccggg cccttagcca tacctaagca taccaatt cagtaaacc cttggattga actccaaaac cttcgcgga acctatatca ctatgtaacc ttacgtggga cctatatca ctatgtaagca taatgccga cactgttaag cactgttaag taatggacca taatggacca tgaacatatat gaacatatat cgccttgggc	cttttggggg cccctcgtgt ccccccaaac tcaagttgtt gcccgcgcag cacacaaata aaaagatatt attaaccacc gtcggattgg aatacttgag aaaatcaaat agtattccac ccaaacggac cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	ccagaatctc cccgatgatc ctcgacacaa agaagttcca cccgcgcagc gtggtacaaa cccttgtatg tccattaaaa aaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	ttattgattt cattttactc ctgatttta aatgtaaaaa ccgcgcagac attttaagaa tggaaaccga caaccgtttg cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	gccgtacatc gcaaattatt cccaacggag aatgcccgtc cgtccagccc accccaaagc atcagaaacg taaaagtatt ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	gactccgatg gccggttatg ccactattta cggcccgcgc gcgcagcca gtaaaaacaa gctgtgctta accccacaa aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4128 4134 4140 4146 4152 4158 4164 4170 4176 4182 4184 4200 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	aggactettt cgccccaagg agteteccgt agteteccgt agcccgcgca tagaaccggg cccttagcca tacctaagca tacctaagca cttggattga actccaaaac ccgatgcccc tccgcgga acctatatca ctatcgtact taatggacca taatgccaat cattgtact cattgtact cattgtact cattgtact cattgtact cactgttaag taatggacca cactgttaag cactgttaag cactgttaag cactgttaag cactgttaag cactgttact cactgttact cactgttact cactgttact cactgttacc cactgtacc	cccctcgtgt ccccccaaac tcaagttgtt gcccgcgcag cacacaaata aaaagatatt attaaccacc gtcggattgg aatacttgag aaaatcaaat agtattccac ccaaacggac cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	cccgatgatc ctcgacacaa agaagttcca cccgcgcagc gtggtacaaa cccttgtatg tccattaaaa aaaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	cattttactc ctgatttta aatgtaaaaa ccgcgcagac attttaagaa tggaaaccga caaccgtttg cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	gcaaattatt cccaacggag aatgcccgtc cgtccagccc accccaaagc atcagaaacg taaaagtatt ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	gccggttatg ccactattta cggcccgcgc gcgcagcca gtaaaaacaa gctgtgctta accccacaa aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4134 4140 4146 4152 4158 4164 4170 4176 4182 4188 4194 4200 4212 4218 4230 4236 4242 4248 4254 4260 4266 4272	cgcccaagg agtctcccgt agcccgcgca tagaaccggg cccttagcca tacctaagca taccaatt tcagtaacc cttggattga ccgatgccc tccgcggga cctatatca ctatcgtact ttaatgccga taatggacca taatggacca ctattgtaag cattttaatg	cccccaaac tcaagttgtt gcccgcgcag cacacaaata aaaagatatt attaaccacc gtcggattgg aatacttgag aaaatcaaat agtattccac ccaaacggac cgtacacaca aagtgattt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	ctcgacacaa agaagttcca cccgcgcagc gtggtacaaa ccttgtatg tccattaaaa aaaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	ctgatttta aatgtaaaaa ccgcgcagac attttaagaa tggaaaccga caaccgtttg cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	cccaacggag aatgcccgtc cgtccagccc accccaaagc atcagaaacg taaaagtatt ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	ccactatta cggcccgcgc gcgcagccca gtaaaaacaa gctgtgctta accccaccaa aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4140 4146 4152 4158 4164 4170 4176 4182 4188 4194 4200 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	agtetecegt agecegegea tagaaceggg cecttagea tacetaagea tacetaaace teagtaaace cegatgeece teegegga actecaaaac cegatgeece teegegga acetatatea cattategtact taatgeega taatgacea taatgeega taatgacea taatgeea taatgacea taatgacea taatgacea taatgacea taatgacea cactgttaag taatgacea cactgttaag cactgttaag cactgttaag cactgttaag cactgttaac cactgttaag cactgttaac cactgttac cactgtac ca	tcaagttgtt gcccgcgcag cacacaaata aaaagatatt attaaccacc gtcggattgg aatacttgag aaaatcaaat agtattccac ccaaacggac cgtacacaca aagtgattt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	agaagttcca cccgcgcagc gtggtacaaa cccttgtatg tccattaaaa aaaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	aatgtaaaaa ccgcgcagac attttaagaa tggaaaccga caaccgtttg cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	aatgcccgtc cgtccagccc accccaaagc atcagaaacg taaaagtatt ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	cggcccgcgc gcgcagccca gtaaaaacaa gctgtgctta accccaccaa aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4146 4152 4158 4164 4170 4176 4182 4188 4194 4200 4212 4218 4224 4230 4242 4248 4254 4260 4266 4272	agcccgcgca tagaaccggg cccttagcca tacctaagca tacctaagca tacaccaatt cagtaaacc ccgatgcccc tccgcggga acctataca ctatcgtact taatgccga taatgccga taatgccga taatgccga taatgccga cactgttaag taatggacca taatggacca taatggacca cactgttaag cactgttaag cactgttaag cactgttaag cactgttaac cactgttaag cactgttaag cactgttaag cactgttaag cactgttaag cactgttaac cactgttaag cactgttaag cactgttaag cactgttaag cactgttaac cactgtta	gcccgcgcag cacacaata aaaagatatt attaaccacc gtcggattgg aatacttgag aaaatcaaat agtattccac ccaaacggac cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacaccta	cccgcgcagc gtggtacaaa cccttgtatg tccattaaaa aaaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	ccgcgcagac attttaagaa tggaaaccga caaccgtttg cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	cgtccagccc accccaaagc atcagaaacg taaaagtatt ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	gcgcagccca gtaaaaacaa gctgtgctta accccaccaa aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4152 4158 4164 4170 4176 4182 4188 4194 4200 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	tagaaccggg cccttagcca tacctaagca tacctaagca tacaccaatt ctcggattga actccaaaac ccgatgccc ttccgcggga acctatatca ctatcgtact ttaatgccga taatggacca taatggacca taatggacca taatggacca cactgttaag taatggacca gaacatatat gtattttat aggtctgtcc cgccttgggc	cacacaaata aaaagatatt attaaccacc gtcggattgg aatacttgag aaaatcaaat agtattccac ccaaacggac cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	gtggtacaaa cccttgtatg tccattaaaa aaaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	attttaagaa tggaaaccga caaccgtttg cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	accccaaagc atcagaaacg taaaagtatt ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	gtaaaaacaa gctgtgctta accccaccaa aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4158 4164 4170 4176 4182 4188 4194 4206 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	cccttagcca tacctaagca tacctaagca tacaccaatt tcagtaaacc cttggattga actccaaaac tccgatgcccc tccgcggga acctatatca ctatcgtact ttaatgccga taatggacca gaacatatat gtattttat aggtctgtcc	aaaagatatt attaaccacc gtcggattgg aatacttgag aaaatcaaat agtattccac ccaaacggac cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	cccttgtatg tccattaaaa aaaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	tggaaaccga caaccgtttg cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	atcagaaacg taaaagtatt ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	gctgtgctta accccaccaa aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4158 4164 4170 4176 4182 4188 4194 4206 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	cccttagcca tacctaagca tacctaagca tacaccaatt tcagtaaacc cttggattga actccaaaac tccgatgcccc tccgcggga acctatatca ctatcgtact ttaatgccga taatggacca gaacatatat gtattttat aggtctgtcc	aaaagatatt attaaccacc gtcggattgg aatacttgag aaaatcaaat agtattccac ccaaacggac cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	cccttgtatg tccattaaaa aaaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	tggaaaccga caaccgtttg cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	atcagaaacg taaaagtatt ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	gctgtgctta accccaccaa aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4164 4170 4176 4182 4188 4194 4200 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	tacctaagca tataaccaatt tcagtaaacc cttggattga actccaaaac ccgatgccc ttccgcggga acctatcat ctatcgtact ttaatgccga cactgttaag taatgacca gaacatatat aggtctgtcc cgccttgggc	attaaccacc gtcggattgg aatacttgag aaaatcaaat agtattccac ccaaacggac cgtacacaca aagtgattt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	tccattaaaa aaaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	caaccgtttg cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	taaaagtatt ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	accccacaa aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4170 4176 4182 4188 4194 4200 4206 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	l ataaccaatt l tcagtaaacc l cttggattga l actccaaaac l ccgatgcccc l ttccgcggga acctatatca ctatcgtact ttaatgccga cactgttaag taatggacca gaacatatat gtattttat l aggtctgtcc cgccttgggc	gtcggattgg aatacttgag aaaatcaaat agtattccac ccaaacggac cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	aaaaataatc attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	cacagcaaaa ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	ccaaacgtta tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	aaccaagcgt tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4176 4182 4188 4194 4200 4206 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	L tcagtaaacc Cttggattga Lactccaaaac Ccgatgcccc Ltccgcggga Lacctatatca Ctatcgtact Ltaatgccga Cactgttaag Ltaatggacca Lgaacatatat Lgtattttat Laggtctgtcc Ccgcttgggc	aatacttgag aaaatcaaat agtattccac ccaaacggac cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	attacctcca caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	ttccgacaga aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	tgactcgata aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	tcttaccgga cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4182 4188 4194 4200 4206 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	cttggattga cctgatgcccc ttccgcggga cctatcatca ctatcgtact ttaatgccga cactgttaag taatggacca gaacatatat aggtctgtcc cgccttgggc	aaaatcaaat agtattccac ccaaacggac cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	caaacacaaa cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	aacggcatca accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	aaatgaccct ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	cgaatgtata gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4188 4194 4200 4206 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	L actccaaaac L ccgatgcccc L ttccgcggga L acctatatca L ctatcgtact L ttaatgccga L cactgttaag L taatggacca L taatggacca L taatggacca L gaacatatat L gtattttat L aggtctgtcc L cgccttgggc	agtattccac ccaaacggac cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	cctgtaaata ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	accaattacc actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	ttcttgggtt aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	gacacggcag tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4194 4200 4206 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	ccgatgcccc ttccgcggga acctatatca ctatcgtact ttaatgccga cactgttaag taatggacca gaacatatat gtattttat aggtctgtcc cgccttgggc	ccaaacggac cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	ctattgacaa tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	actataaaac cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	aagacagccg gtttaactca tagcagtgag tcctaggcac gaccgccttg	tcgccaaact ccgaacagag agtgaaaatt gtacgcgttg
4200 4206 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	L ttccgcggga L acctatatca L ctatcgtact L ttaatgccga L cactgttaag L taatggacca L gaacatatat L gtattttat L aggtctgtcc L cgccttgggc	cgtacacaca aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	tggggcgtat agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	cttctaaccc ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	gtttaactca tagcagtgag tcctaggcac gaccgccttg	ccgaacagag agtgaaaatt gtacgcgttg
4206 4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	L acctatatca L ctatcgtact L ttaatgccga L cactgttaag L taatggacca L gaacatatat L gtattttat L aggtctgtcc L cgccttgggc	aagtgatttt aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	agtgaacctt gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	ctgacggcta catgtcgcgt atgtccgagg tcgacaacgt	tagcagtgag tcctaggcac gaccgccttg	agtgaaaatt gtacgcgttg
4212 4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	Ctatcgtact ttaatgccga cactgttaag taatggacca gaacatatat gtattttat aggtctgtcc cgccttgggc	aagtctcgac tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	gaacatcggt ggtcgacgtt cggcgtatga atatttcaag	catgtcgcgt atgtccgagg tcgacaacgt	tcctaggcac gaccgccttg	gtacgcgttg
4218 4224 4230 4236 4242 4248 4254 4260 4266 4272	L ttaatgccga L cactgttaag L taatggacca L gaacatatat L gtattttat L aggtctgtcc L cgccttgggc	tgtagtcacc ccaggcatgt cacggaagat ataaagtagc ttacacccta	ggtcgacgtt cggcgtatga atatttcaag	atgtccgagg tcgacaacgt	gaccgccttg	
4224 4230 4236 4242 4248 4254 4260 4266 4272	l cactgttaag l taatggacca l gaacatatat l gtatttttat l aggtctgtcc l cgccttgggc	ccaggcatgt cacggaagat ataaagtagc ttacacccta	cggcgtatga atatttcaag	tcgacaacgt		
4236 4242 4248 4254 4260 4266 4272	l taatggacca l gaacatatat l gtatttttat l aggtctgtcc l cgccttgggc	cacggaagat ataaagtagc ttacacccta	atatttcaag			
4236 4242 4248 4254 4260 4266 4272	l gaacatatat l gtatttttat l aggtctgtcc l cgccttgggc	ataaagtagc ttacacccta				
4242 4248 4254 4260 4266 4272	l gtatttttat l aggtctgtcc l cgccttgggc	ttacacccta	gcctattaaa			
4248 4254 4260 4266 4272	l aggtctgtcc l cgccttgggc					
4254 4260 4266 4272	l cgccttgggc					
4260 4266 4272		cttacccccc	tggggggtat	tttgggttgg	gggcggggta	gactgtggca
4266 4272	l attacaatta	cgcgggcggt	gatccggttg	ttggctggac	agtgcttgac	tgtgctccct
4266 4272		ttgtccagaa	gaccccgaca	ccacgtgttg	ctgttgtcca	acggatgccg
4272	l acgtcgtttg					
	l gttgtaaagc					
	l ttcccaaact					
4284	l gttttaagcc					
	l ttcggcgtat					
	l ccacggtgta					
	l cactggcgtt					
	l aaaatgtggt					
	l tttattagtt					
	l ggaaaggcaa					
	l atgaacaggg					
	l tgggtatcgg					
	ccgttctcgg					
	ccagtttcct					
	ggatetteeg					
	ttcacccaca					
	tccaaagcag					
	tcaatggaca					
	acagacaccc					
4380.	gccattaaac				atacgttgtc	
4386	aactgaaaaa			~~~~+~~~+		
4386: 4392:	l aactgaaaaa L caacattgaa	gagcgcttgg				
4386: 4392:	aactgaaaaa	gagcgcttgg				
4386: 4392: 4398:	l aactgaaaaa L caacattgaa	gagcgcttgg gttcactccg	tacatacgtt	ctccgtgaca	tattgatcta	aggttgcaaa
4386 4392 4398 4404	l aactgaaaaa L caacattgaa L cccctcctgc	gagcgcttgg gttcactccg cgcgtgaagt	tacatacgtt atttagacca	ctccgtgaca tttatcgtgg	tattgatcta gatataggag	aggttgcaaa gagtttggag
43863 43923 43983 44043 44103	aactgaaaaa caacattgaa cccctcctgc ccaaggcaca	gagcgcttgg gttcactccg cgcgtgaagt cctgacgact	tacatacgtt atttagacca tattaatgcg	ctccgtgaca tttatcgtgg tttatttcc	tattgatcta gatataggag ccatgtatta	aggttgcaaa gagtttggag agcatccttc
4386: 4392: 4398: 4404: 4410: 4416:	aactgaaaaa caacattgaa cccctcctgc ccaaggcaca tgatccaccc	gagcgcttgg gttcactccg cgcgtgaagt cctgacgact gcaaatctag	tacatacgtt atttagacca tattaatgcg aaatttggcc	ctccgtgaca tttatcgtgg tttattttcc atgactcccg	tattgatcta gatataggag ccatgtatta caaagcgttc	aggttgcaaa gagtttggag agcatccttc acggcgacgg
43863 43923 43983 44043 44103 44163 44223	aactgaaaaa caacattgaa cccctcctgc ccaaggcaca tgatccaccc aatatttcat gtcacgctgg	gagcgcttgg gttcactccg cgcgtgaagt cctgacgact gcaaatctag cactatgttc	tacatacgtt atttagacca tattaatgcg aaatttggcc acatggaaca	ctccgtgaca tttatcgtgg tttattttcc atgactcccg acataagcag	tattgatcta gatataggag ccatgtatta caaagcgttc attttctga	aggttgcaaa gagtttggag agcatccttc acggcgacgg atcgttactt
4386 4392 4398 4404 4410 4416 4422 4428	aactgaaaaa caacattgaa cccctcctgc ccaaggcaca tgatccaccc aatatttcat gtcacgctgg	gagcgcttgg gttcactccg cgcgtgaagt cctgacgact gcaaatctag cactatgttc ttaaaacgga	tacatacgtt atttagacca tattaatgcg aaatttggcc acatggaaca cgccaggcga	ctccgtgaca tttatcgtgg tttattttcc atgactcccg acataagcag ctggtaaatg	tattgatcta gatataggag ccatgtatta caaagcgttc atttttctga atatataatt	aggttgcaaa gagtttggag agcatccttc acggcgacgg atcgttactt taattgagcg
4386: 4392: 4398: 4404: 4410: 4416: 4422: 4428: 4434:	aactgaaaaa caacattgaa cccctcctgc ccaaggcaca tgatccaccc aatatttcat gtcacgctgg tctttatgtt tcagttgtag	gagcgcttgg gttcactccg cgcgtgaagt cctgacgact gcaaatctag cactatgttc ttaaaacgga gtagaattgc	tacatacgtt atttagacca tattaatgcg aaatttggcc acatggaaca cgccaggcga ttctatttcc	ctccgtgaca tttatcgtgg tttattttcc atgactcccg acataagcag ctggtaaatg gggggaatta	tattgatcta gatataggag ccatgtatta caaagcgttc atttttctga atatataatt aattttcaaa	aggttgcaaa gagtttggag agcatccttc acggcgacgg atcgttactt taattgagcg ccaaacggaa
4386 4392 4398 4404 4410 4416 4422 4428 4434 4440	aactgaaaaa caacattgaa cccctcctgc ccaaggcaca tgatccaccc aatatttcat gtcacgctgg tctttatgtt tcagttgtag agagtaaagg	gagcgcttgg gttcactccg cgcgtgaagt cctgacgact gcaaatctag cactatgttc ttaaaacgga gtagaattgc tgctatcagc	tacatacgtt atttagacca tattaatgcg aaatttggcc acatggaaca cgccaggcga ttctatttcc aggaaaatac	ctccgtgaca tttatcgtgg tttatttcc atgactcccg acataagcag ctggtaaatg gggggaatta tttgactcca	tattgatcta gatataggag ccatgtatta caaagcgttc attttctga atatataatt aattttcaaa gtgcatcgat	aggttgcaaa gagtttggag agcatccttc acggcgacgg atcgttactt taattgagcg ccaaacggaa atttaataga
4386 4392 4398 4404 4410 4416 4422 4428 4434 4440 4446	aactgaaaaa caacattgaa cccctcctgc ccaaggcaca tgatccaccc aatatttcat gtcacgctgg tctttatgtt tcagttgtag agagtaaagg	gagcgcttgg gttcactccg cgcgtgaagt cctgacgact gcaaatctag cactatgttc ttaaaacgga gtagaattgc tgctatcagc	tacatacgtt atttagacca tattaatgcg aaatttggcc acatggaaca cgccaggcga ttctatttcc aggaaaatac taaatcgcgg	ctccgtgaca tttatcgtgg tttatttcc atgactcccg acataagcag ctggtaaatg gggggaatta tttgactcca gccctcatcc	tattgatcta gatataggag ccatgtatta caaagcgttc attttctga atatataatt aattttcaaa gtgcatcgat cagagatgga	aggttgcaaa gagtttggag agcatccttc acggcgacgg atcgttactt taattgagcg ccaaacggaa atttaataga tcgggtagaa
4386 4392 4398 4404 4410 4416 4422 4428 4434 4440 4446 4452	aactgaaaaa caacattgaa cccctcctgc ccaaggcaca tgatccaccc aatatttcat gtcacgctgg tctttatgtt tcagttgtag agagtaaagg ttaacatcgg tcagaagaac	gagcgcttgg gttcactccg cgcgtgaagt cctgacgact gcaaatctag cactatgttc ttaaaacgga gtagaattgc tgctatcagc tgtctgtaat ccatggatgg	tacatacgtt atttagacca tattaatgcg aaatttggcc acatggaaca cgccaggcga ttctatttcc aggaaaatac taaatcgcgg attcgaatcg	ctccgtgaca tttatcgtgg tttattttcc atgactcccg acataagcag ctggtaaatg gggggaatta tttgactcca gcctcatcc cccgtattct	tattgatcta gatataggag ccatgtatta caaagcgttc atttttctga atatataatt aattttcaaa gtgcatcgat cagagatgga ccgaaaatac	aggttgcaaa gagtttggag agcatccttc acggcgacgg atcgttactt taattgagcg ccaaacggaa atttaataga tcgggtagaa atcttctaat
4386 4392 4398 4404 4410 4416 4422 4428 4434 4440 4446 4452 4458	aactgaaaaa caacattgaa cccctcctgc ccaaggcaca tgatccaccc aatattcat gtcacgctgg tctttatgtt tcagttgtag agagtaaagg ttaacatcgg tcagaagaac tccggatggt	gagcgcttgg gttcactccg cgcgtgaagt cctgacgact gcaaatctag cactatgttc ttaaaacgga gtagaattgc tgctatcagc tgtctgtaat ccatggatgg gttccgacgc	tacatacgtt atttagacca tattaatgcg aaatttggcc acatggaaca cgccaggcga ttctatttcc aggaaaatac taaatcgcgg attcgaatcg atttccgat	ctccgtgaca tttatcgtgg tttatttcc atgactcccg acataagcag ctggtaaatg gggggaatta tttgactcca gcctcatcc cccgtattct tcgtacatcg	tattgatcta gatataggag ccatgtatta caaagcgttc attttctga atatataatt aattttcaaa gtgcatcgat cagagatgga ccgaaaatac cttataatcc	aggttgcaaa gagtttggag agcatccttc acggcgacgg atcgttactt taattgagcg ccaaacggaa atttaataga tcgggtagaa atcttctaat agcccttctg
4386 4392 4398 4404 4410 4416 4422 4428 4434 4440 4446 4452 4458 4464	aactgaaaaa caacattgaa cccctcctgc ccaaggcaca tgatccaccc aatatttcat gtcacgctgg tctttatgtt tcagttgtag agagtaaagg ttaacatcgg tcagaagaac tccggatggt ctaaaaaacg	gagcgcttgg gttcactccg cgcgtgaagt cctgacgact gcaaatctag cactatgttc ttaaaacgga gtagaattgc tgctatcagc tgtctgtaat ccatggatgg gttccgacgc atttgttatt	tacatacgtt atttagacca tattaatgcg aaatttggcc acatggaaca cgccaggcga ttctatttcc aggaaaatac taaatcgcgg attcgaatcg attttccgat ttcagaattg	ctccgtgaca tttatcgtgg tttatttcc atgactcccg acataagcag ctggtaaatg gggggaatta tttgactcca gccctcatcc cccgtattct tcgtacatcg ttatttgcct	tattgatcta gatataggag ccatgtatta caaagcgttc attttctga atatataatt aattttcaaa gtgcatcgat cagagatgga ccgaaaatac cttataatcc cccacttaat	aggttgcaaa gagtttggag agcatccttc acggcgacgg atcgttactt taattgagcg ccaaacggaa atttaataga tcgggtagaa atcttctaat agcccttctg aaatgttccc
4386 4392 4398 4404 4410 4416 4422 4428 4434 4440 4446 4452 4458 4464 4470	aactgaaaaa caacattgaa ccectcctgc ccaaggcaca tgatccaccc aatatttcat gtcacgctgg tctttatgtt tcagttgtag agagtaaagg ttaacatcgg tcagaagaac tccggatggt cttaaaaaacg cgtgcaatag	gagcgcttgg gttcactccg cgcgtgaagt cctgacgact gcaaatctag cactatgttc ttaaaacgga gtagaattgc tgctatcagc tgtctgtaat ccatggatgg gttccgacgc atttgttatt aaaacaacgt	tacatacgtt atttagacca tattaatgcg aaatttggcc acatggaaca cgccaggcga ttctatttcc aggaaaatac taaatcgcgg attcgaatcg attttccgat ttcagaattg cacttatgag	ctccgtgaca tttatcgtgg tttatttcc atgactcccg acataagcag ctggtaaatg gggggaatta tttgactcca gcctcatcc cccgtattct tcgtacatcg ttatttgcct gcctctcgg	tattgatcta gatataggag ccatgtatta caaagcgttc attttctga atatataatt aattttcaaa gtgcatcgat cagagatgga ccgaaaatac cttataatcc cccacttaat cggtaggtgt	aggttgcaaa gagtttggag agcatccttc acggcgacgg atcgttactt taattgagcg ccaaacggaa atttaataga tcgggtagaa atcttctaat agcccttctg aaatgttccc ggataatgaa
4386 4392 4398 4404 4416 4422 4428 4434 4440 4446 4452 4458 4458 4464 4470 4476	aactgaaaaa caacattgaa cccctcctgc ccaaggcaca tgatccaccc aatatttcat gtcacgctgg tctttatgtt tcagttgtag agagtaaagg ttaacatcgg tcagaagaac tccggatggt ctaaaaaacg	gagcgcttgg gttcactccg cgcgtgaagt cctgacgact gcaaatctag cactatgttc ttaaaacgga gtagaattgc tgctatcagc tgtctgtaat ccatggatgg gttccgacgc atttgttatt aaaacaacgt gtaccactga	tacatacgtt atttagacca tattaatgcg aaatttggcc acatggaaca cgccaggcga ttctatttcc aggaaaatac taaatcgcgg attcgaatcg attttccgat ttcagaattg cacttatgag atttatagaa	ctccgtgaca tttatcgtgg tttattttcc atgactcccg acataagcag ctggtaaatg gggggaatta tttgactcca gcctcatcc cccgtattct tcgtacatcg ttatttgcct gcctcttcgg gaaattggag	tattgatcta gatataggag ccatgtatta caaagcgttc attttctga atatataatt aattttcaaa gtgcatcgat cagagatgga ccgaaaatac cttataatc cccacttaat cggtaggtgt acgttttggc	aggttgcaaa gagtttggag agcatccttc acggcgacgg atcgttactt taattgagcg ccaaacggaa atttaataga tcgggtagaa atcttctaat agcccttctg aaatgttccc ggataatgaa gttagacaga

12 of 33

44881	tgggttgcgg	actacgccat	gttatgtatg	aaaagtctgg	catccccgcc	ctgtgcagtt
44941	gtcactttta	acactacctt	tgaatttgtg	tatcttatqq	atcqttacta	cctataccat
45001	tataacatta	ctttccttcc	atactttacc	20000002000	tttccctatt	acatatacaa
	tataacgtta					
45061	agacattttt	ttttgcatgt	atgttttcgt	accgatggag	ggttaccagg	tatacgaccg
45121	cccccggta	aggaaatggc	caacaaaqta	agatattcca	attactcctt	ttttqtacaq
	gcggtagtta					
45241	cgtaagtcat	tttactttaa	tcaggacgga	ctgactggag	gccctcaacc	tttagcggcc
45301	gccttggcta	attogaaaga	ttacacacaa	atggttgact	gttcatcatc	ggaacatcgc
	acaagtggga					
	atattaatag					
45481	ttggctttat	tattactqaq	tggggttgct	acttggaatg	tagacgagcg	tacaaattgt
	gctatagaaa					
	tccagggacg					
45661	gcatttgggc	ctattttgtt	aactacctta	aaaaacgcaa	agtgccgtgg	tcgcacgaat
	accgaatgca					
	tttaaaaggg					
45841	cctgtaatca	atgcatggag	cctagataac	cccattaaac	ttaaatttcc	atttaatgat
45901	gagggtcgat	tcataaccat	tgtaaaagca	acagattcca	aggccgtata	taaacattta
	ttttgcgatc					
46021	catcctacaa	ccgcggataa	ggaagtgttg	gagttatata	aagcccaact	ggctgcacaa
46081	aacagatttg	aaggtcgtgt	atgtgctggc	ctgtggacat	tggcgtatgc	atttaaagcc
	taccagattt					
	atgcttcgac					
46261	taggcgatat	aaatccgtat	ctcggagcgg	gccttcgatg	cgtgtacgct	ccagaacgcc
	atgccgccgt					
	ttattttaat					
	cgtgccaatt					
46501	ggataactgc	ctgtcgttat	ccggaatggg	ttatcattta	ggtctcggag	gttattgtcc
	gacatgcact					
	agcatatgtt					
46681	ggcgctatca	gaccgagcca	acatgcaagc	agcgtccgct	gaacccctat	tgtcgagcgt
46741	attggcacaa	ccqqaattat	tttttatqta	tcatattatq	aqqqaqqqq	qcatqcqaqa
	tatacgcgta					
	tccggggaaa					
46921	ggggtataaa	atagtcgcac	acgtttggca	gacaacattt	ttactgtcgg	tatgtcgcaa
46981	cccagaacaa	caaacagaga	ctgtggtgcc	atccattgga	acatcggacg	tttactgtaa
	aatgtgtgac					
	atttgatgac					
47161	cacggggcgt	gtatacaaac	aaagcctgcc	gcctgcaagc	ggtttagcat	tttaacgtta
	acaactcgtg					
	ccaaataacg					
	atgtttaaag					
47401	attaacttac	gctttgcttc	cccacaccgt	ttacctgcgg	tattctgtaa	aggatctcca
	cgtagcaaag					
	taagggatgc					
	actgttaagt					
47641	gtcataacaa	acttattaat	atccaatttq	ggtgatgtaa	tctqqcqatq	tqcatctqca
	attatgcgtc					
	gaaacacacg					
47821	acaagtttgc	gggcataatc	gttaataaat	tgacagttgt	tttttctaac	caagtcgact
47881	cccttcatta	aaacctttcc	gccgtaaatt	accccaatqt	actttttctt	tattataaqc
	aaaagtttta					
	gaaattatat					
48061	aatcggataa	acacagaatc	cgtatctcca	tatataacct	ttacctcqta	cgctttttqq
	gagagaacgc					
	ttattatgaa					
	gccgctacgt					
48301	ttacaaacta	cttttatcqc	ggcttgttgt	ttgtctaata	acactqcttc	atctqaaqaa
	cttccgggta					
	cccagcagac					
	aaggtggcat					
	gtaaaacata					
				gggtcaaaaa		
	acatttcgcc	cacttgacgt	accagtggga	gaaacgctct	cgtcttcatc	catctcttcc
		cacttgacgt	accagtggga	gaaacgctct	cgtcttcatc	catctcttcc

13 of 33

					aacaggtgta	
					ctagccttgc	
48901	aactcaaggt	gtggtaaata	tttaaaaaac	agtttcccca	caagagccga	gtcttgtata
48961	caatattcac	caataattcc	tcqtqtattc	ggtccactag	cgtaatatcc	cqqaatqtct
					gtgcaaccga	
49081	taactcgaga	gttttaattt	ttcagttgca	actigoacaca	tatccagaga	Latyagacty
49141	ttgatcttta	ccttgcttcg	tcgctgaaat	ccggatttgc	caacatccca	tatcttaaac
					gactgtatat	
49261	ttctccataa	taaacgccca	atcaaaatta	acaatgttat	aacctgtggc	aaactcggga
49321	gcgtactgtt	ttacqaqqqt	cataaatqca	attaatagct	cgaattcact	atcaaactcc
49381	agcacagtcg	actccaataa	cccacatcc	ttcatttctt	gtacatacct	ttataataaa
19301	tcacaacac	2000033000	cactagaato	tottctaaag	actgtcgagg	gattgaatat
					ttgcatcggg	
					acaacttgta	
49621	gagtcatcgt	ttggtatagc	ctgcagatta	tccgacatgc	agtcaatttc	aacgtcgctt
49681	aacgttaatt	ggcgacttgc	cggtcgaact	cgaacacgtt	ccccatcaac	tccaggtttt
					ttagaaaacg	
49801	tctacccgac	cttcatactt	tttcaactcc	gggtgaaagt	tatcacaaag	ataatttgta
					gctgtgtatc	
40001	aatttagatg	agggagaata	caccecgeaa	aacgcacacg	geegegeace	tttaaaaaa
					gagatgcgct	
					cattttgtgt	
50041	ctgcgtaaac	actcggcaag	taatacagat	aactcgctac	cggaacgtat	gccacaagcg
50101	gtatccacct	cggctttgtt	tatataaaaa	tattgacaga	tgccgtatac	atgaactgcc
					cggtaccaag	
50221	aceattacaa	accoggatac	atctccatta	gargragett	ctgttgtttc	gacaatatca
E0201	tatagataga	atetettaaa	accecatea	aacttatccc	caccasactc	gatttcccc
20201	tatatatyya	atgigitaaa	geggggeea	aacttattt	cacgaaagtc	gaccccccc
					aatccagaat	
					cgacgtgaac	
50461	tcttccatgg	gcacatcttc	atctaaacat	ttaggggcca	aaaattgaaa	cgatgacatg
50521	gtagttttgt	aactatgaag	aaattctctg	ttactaccgc	gcccggttct	tgggttatat
50581	ttaatccctq	atacttagat	taaaaaqqqa	ttacaaaacc	ccgttctgat	cqccatttta
					agtaacacaa	
E0701	ttataataaa	taaaatataa	tcacctcatt	tattataatt	tccgcatatg	taatacccqt
50701	ttttaatata	taaagtgtaa	teacycgacc	anatacattt	teastastas	tttgagggtg
					tgggtggtca	
50821	ccaacaaccc	cccattatta	cgagtacttc	accaaaatgg	aaaatactca	gaagactgtg
50881	acagtgccca	cggggcccct	gggttacgtt	tatgcgtgcc	gggttgaaga	tttggatctg
50941	gaggaaattt	catttttggc	cgctcgtagc	acggactctg	atttggcttt	attacctttg
					tggcggtggt	
51061	cgcactacgg	atcttaccaa	agctggtatt	accttaaaac	tcactaccag	tcatttctat
51121	ccatctatct	ttatattta	cadadacaaa	cacqttttac	ccagctccgc	ggccccaaat
D1121	ctatetgtet	cetetecea	agatagagaaa	cacyctcac	tttcacacta	ccaaccacat
21101	ctcacacgcg	cycycaacyc	ggcccgagaa	cggcccgggc	tttcacgctg	teadyggeee
					gcacccgcct	
51301	ccagaaaata	caatattata	cttggtggtc	acggcattgt	ttaaggaagc	cgtatttatg
51361	tgcaacgtgt	ttctgcatta	tggaggactc	gatattgttc	atattaacca	tggggatgtt
51421	atacqtatac	cqttatttcc	ggtacaactt	ttcatgcccg	atgttaaccg	tctggtaccc
51481	gacccattca	acactcatca	caggictatc	ggagagggtt	ttgtataccc	aacacccttt
51541	tataacacco	gattatacca	tttaatacat	gactgtgtta	ttgctcccat	ggccgttgcc
51511	ttacacatas	gazatotaac	taccatacac	adadagada	cccaccttgc	ttttgatgaa
					cgtattttca	
					tcaactccac	
51781	agcccatcgg	gggggtttga	aagacggttg	gcgtctatta	tggccgctga	cacagccttg
51841	cacgcagaag	ttatattcaa	cactggaatt	tacgaagaaa	ctccaacaga	tatcaaagaa
					taaacgctct	
51961	accactcata	taaccaaaat	cattggtgcg	atgottttca	gcccaaattc	tacattatat
					atgggggacc	
					cgaatcccca	
					acacagagtt	
					cgcgactgct	
					atgcgttaaa	
52321	gggacctttq	actctgaaat	tccatgtagt	ttatgtgaaa	aacacacgcg	gccggtatgc
52381	qctcacacaa	cagtacaccq	acttagacaa	cgcatqccqc	gatttggaca	agccacccgt
					gcgactgcga	
					aaacggaagc	
					ttatcgatct	
27971	cgactactgg	accycggtgc	eccatyttct	ceegagggac	tatcgtctgt	carryryyat

9/23/03 4:26 PM

52681	catccaacgt	ttcqtcqcat	attagacaca	ctacatacac	gtatagaaca	qacaacaaca
22/41	caatttatga	aagtgttggt	Lyagacccyc	gartataaga	cccgcgaagg	accaccegaa
52801	gccacccatt	caatggcgtt	aacqtttgat	ccatactcag	gagcattttg	tcccattacc
52061		**********		ataataaaaa	agttaggatt	aaggaatgt
2580T	aattttttag	ttaaacgaac	acacctagec	gugguadaag	acttageatt	aagccaacgc
52921	cattgtgtat	tttacqqaca	qcaaqttqaq	qqqcqqaact	ttcqtaacca	attccaacct
27381	gttttgcggc	ggcgttttgt	tgacctgttt	aacygygygc	ctatateaac	acgetteata
53041	accgtaacat	tatctgaagg	tcctqtatcc	gccccaaatc	cgacattggg	acaaqacqcq
23101	cccgcggggc	gtacctttga	tggggattta	gcgcgcgtaa	gcgcggaagc	Lattegggat
53161	atacgagtta	aaaatagggt	cottttttca	ggtaactgta	caaatctctc	tgaggcagcc
53221	cgggcaaggc	ttgtaggcct	tgcaagtgcg	taccaacgcc	aagaaaaaag	agtggatatg
53281	ttacacgggg	ccctagggtt	tttgcttaaa	cagtttcacg	gcctgttatt	tectegagat
53341	atgccaccaa	acagtaaatc	ccccaacccg	cagtggtttt	ggaccctgtt	acaacycaac
	cagatgccgg					
53461	tttaccgagg	aatatgcagc	aataaacttt	attaatctac	ccccaacctg	cataggagaa
53521	ttagcccagt	tttatatggc	aaatcttatt	cttaaatact	gcgatcattc	acagtacctt
53581	ataaatacct	taacttctat	aattacgggt	gccaggcgcc	cgcgtgaccc	atcatccgtt
53641	ttgcattgga	ttcqtaaaqa	tatcacatcc	accacaaaca	tagaaaccca	agcaaaggcg
JJ 0 1 1	cegeacegga	ccegcaaaga	cacacaca	5005055000	00300000	
53701	cttcttgaaa	aaacggaaaa	cttaccggaa	ttatggacta	cggcttttac	ttcaactcat
	ttagtccgcg					
53821	tatcacggag	cggcaggaaa	caaccgcgtc	tttcaggcag	ggaattggag	cggtttaaac
	gggggtaaaa					
33001	gggggcaaaa	acguacyccc	getattata	cccgaccgca		
53941	tgtcctagag	gaggttttat	ctgccccgta	acaggtccct	cgtcgggaaa	tcgagaaacc
	accctatccg					
54061	atatacgcca	cggttgtgcg	tgcagtgggc	gctcgagcac	aacatatggc	atttgacgac
	tggttaagtc					
54181	attatccaaa	ccctggaaac	gccctggacc	gtagaaggcg	ctctagaagc	agtaaagatt
	ctagatgaaa					
54301	gattcttgtg	aaccaagcca	tgacaccaca	tctaacgtat	taaacatttc	agggtcaaac
54361	atttcagggt	caactgtccc	taatettaaa	cgaccccccg	aagatgacga	actctttgat
54301	accedagge	caacegeeee	cggccccaaa	caucococo	uuguuguugu	
54421	cttagtggta	ttcccataaa	acatgggaac	attacaatgg	aaatgattta	acctccctct
54481	ttatccaatt	aaagcccaca	raraaataaa	tatacataat	aaacaaqtca	atattacata
54541	ttctgttgtg	ttttctttt	ttgtgtgtag	tccttaccca	tatgacctgt	aatatagtgt
54601	gtctccaacc	attragetta	cagticcagtig	gacagtaaca	gcccgataac	atggaattgg
51001	Jucucuacu	accessce				
54661	atattaatcg	aacattgttg	gttctactgg	gtcaagttta	tacgtacatc	tttcaggttg
54721	aactgctacg	troatgtgat	ccaagggtgg	catateactt	tttatatcgg	ttagcggcta
54 /81	actgtttgac	agttcgttat	ttattaaagc	tgtttctccg	gggatttaat	acccagctaa
54841	aatttggaaa	cactcccacq	atttatacac	tacattagac	attatqttat	qtaaaqqqaq
54901	aaggtgagcg	tttgtttgag	ttgctacaac	attitaaaac	gegeeeegee	Latygtgaga
54961	ctaaagactc	aaactgtatc	aaagattact	ttqtctcaqc	qtttaactta	aaaacctqcc
EE001	20+2+4244	tasaatataa	++2242242+	aggaaggtta	catatacaact	gaaattgagt
55021	aatatcacca	tgagetgteg	LLaaCaaCaL	acggaggtta	cycaccyayc	gaaacttagt
55081	ttttacacga	cattgagaat	tttttaaaac	agcttaatta	ctgctatatt	atcacgtctt
EE141	ataataaaaa	~~+~~~~~	++00222000	taacacaatt	tatgagagat	actataccaa
	ctcgtgaggc					
55201	gcggtctaat	accacccqtq	gagttgtttg	atccggcgca	tccatgtgct	atatgttttg
	aagaattatg					
55321	tctgcgatca	cqttactaaq	caagttcggg	ttaacgtgga	tgttgacgat	attattcggt
	gtttaccata					
55441	gaacacttca	aaccaagacg	gtagtcaatc	ccatgggagc	aaagaacgat	acgtttgacc
	aaacatacga					
55561	ggtgtatgta	cgccatcagc	gagcttaaat	tctggttaac	gtctaattcc	actgaaggac
55621	cccaacgtac	tttagacgtg	tttattaata	atttggatgt	attaaacgaa	catgaaaaac
55681	acgcagaact	tacagccgta	acggttgagt	tggcgttatt	tggaaaaact	cccatacact
55741	ttgatagggc	attttctaaa	gaactcggat	ctctggatgc	aattgatagt	attttggttg
22801	gcaatcgctc	atcctcacca	gacagreaga	ragaagcarr	aattaaaqcc	tgttatgccc
55861			gacagecaga	005005000	_	
	atcatctatc	gtcgcctctc	atgcgtcaca	tttctaaccc	gagtcatgat	aacgaagccg
55981	atcatctatc ccttacgcca	gtcgcctctc acttttagaa	atgcgtcaca agagttgggt	tttctaaccc gtgaggatga	gagtcatgat tttaaccaaa	aacgaagccg gaggcgagtg
	atcatctatc ccttacgcca	gtcgcctctc acttttagaa	atgcgtcaca agagttgggt	tttctaaccc gtgaggatga	gagtcatgat tttaaccaaa	aacgaagccg gaggcgagtg
	atcatctatc ccttacgcca acagcgctac	gtcgcctctc acttttagaa agcatccgaa	atgcgtcaca agagttgggt tgtgatctga	tttctaaccc gtgaggatga acgatgatag	gagtcatgat tttaaccaaa tagcataact	aacgaagccg gaggcgagtg tttgctgttc
56041	atcatctatc ccttacgcca acagcgctac atggatggga	gtcgcctctc acttttagaa agcatccgaa aaacctgtta	atgcgtcaca agagttgggt tgtgatctga tccaaagcaa	tttctaaccc gtgaggatga acgatgatag aaattgacgc	gagtcatgat tttaaccaaa tagcataact tgcggaaaga	aacgaagccg gaggcgagtg tttgctgttc aaacgagtat
56041	atcatctatc ccttacgcca acagcgctac atggatggga	gtcgcctctc acttttagaa agcatccgaa aaacctgtta	atgcgtcaca agagttgggt tgtgatctga tccaaagcaa	tttctaaccc gtgaggatga acgatgatag aaattgacgc	gagtcatgat tttaaccaaa tagcataact tgcggaaaga	aacgaagccg gaggcgagtg tttgctgttc aaacgagtat
56041 56101	atcatctatc ccttacgcca acagcgctac atggatggga atcttgaaca	gtcgcctctc acttttagaa agcatccgaa aaacctgtta tctgtctaag	atgcgtcaca agagttgggt tgtgatctga tccaaagcaa cgctctctaa	tttctaaccc gtgaggatga acgatgatag aaattgacgc ccagcctcgg	gagtcatgat tttaaccaaa tagcataact tgcggaaaga tagatgtatc	aacgaagccg gaggcgagtg tttgctgttc aaacgagtat cgcgaacagc
56041 56101 56161	atcatctatc ccttacgcca acagcgctac atggatggga atcttgaaca gccaagagct	gtcgcctctc acttttagaa agcatccgaa aaacctgtta tctgtctaag agaaaaaaca	atgcgtcaca agagttgggt tgtgatctga tccaaagcaa cgctctctaa ctcagggtaa	tttctaaccc gtgaggatga acgatgatag aaattgacgc ccagcctcgg acgtttatgg	gagtcatgat tttaaccaaa tagcataact tgcggaaaga tagatgtatc agaggcctta	aacgaagccg gaggcgagtg tttgctgttc aaacgagtat cgcgaacagc ttgcagacat
56041 56101 56161	atcatctatc ccttacgcca acagcgctac atggatggga atcttgaaca gccaagagct	gtcgcctctc acttttagaa agcatccgaa aaacctgtta tctgtctaag agaaaaaaca	atgcgtcaca agagttgggt tgtgatctga tccaaagcaa cgctctctaa ctcagggtaa	tttctaaccc gtgaggatga acgatgatag aaattgacgc ccagcctcgg acgtttatgg	gagtcatgat tttaaccaaa tagcataact tgcggaaaga tagatgtatc agaggcctta	aacgaagccg gaggcgagtg tttgctgttc aaacgagtat cgcgaacagc ttgcagacat
56041 56101 56161 56221	atcatctatc ccttacgcca acagcgctac atggatggga atcttgaaca gccaagagct ttgtttcgat	gtcgcctctc acttttagaa agcatccgaa aaacctgtta tctgtctaag agaaaaaaca gcaaaatggg	atgcgtcaca agagttgggt tgtgatctga tccaaagcaa cgctctctaa ctcagggtaa tttggggcac	tttctaaccc gtgaggatga acgatgatag aaattgacgc ccagcctcgg acgtttatgg gaaacgtgtt	gagtcatgat tttaaccaaa tagcataact tgcggaaaga tagatgtatc agaggcctta tttagctaag	aacgaagccg gaggcgagtg tttgctgttc aaacgagtat cgcgaacagc ttgcagacat gtttcccagg
56041 56101 56161 56221 56281	atcatctatc ccttacgcca acagcgctac atggatggga atcttgaaca gccaagagct ttgtttcgat cagggtgtat	gtcgcctctc acttttagaa agcatccgaa aaacctgtta tctgtctaag agaaaaaaca gcaaaatggg tatcgacaat	atgcgtcaca agagttgggt tgtgatctga tccaaagcaa cgctctctaa ctcagggtaa tttggggcac cgcattcagg	tttctaaccc gtgaggatga acgatgatag aaattgacgc ccagcctcgg acgtttatgg gaaacgtgtt aagcggcctt	gagtcatgat tttaaccaaa tagcataact tgcggaaaga tagatgtatc agaggcctta tttagctaag tgatgcacat	aacgaagccg gaggcgagtg tttgctgttc aaacgagtat cgcgaacagc ttgcagacat gtttcccagg agatttataa
56041 56101 56161 56221 56281	atcatctatc ccttacgcca acagcgctac atggatggga atcttgaaca gccaagagct ttgtttcgat cagggtgtat	gtcgcctctc acttttagaa agcatccgaa aaacctgtta tctgtctaag agaaaaaaca gcaaaatggg tatcgacaat	atgcgtcaca agagttgggt tgtgatctga tccaaagcaa cgctctctaa ctcagggtaa tttggggcac cgcattcagg	tttctaaccc gtgaggatga acgatgatag aaattgacgc ccagcctcgg acgtttatgg gaaacgtgtt aagcggcctt	gagtcatgat tttaaccaaa tagcataact tgcggaaaga tagatgtatc agaggcctta tttagctaag tgatgcacat	aacgaagccg gaggcgagtg tttgctgttc aaacgagtat cgcgaacagc ttgcagacat gtttcccagg agatttataa
56041 56101 56161 56221 56281 56341	atcatctatc ccttacgcca acagcgctac atggatggga atcttgaaca gccaagagct ttgtttcgat cagggtgtat ggaatacctt	gtcgcctctc acttttagaa agcatccgaa aaacctgtta tctgtctaag agaaaaaaca gcaaaatggg tatcgacaat agttcgacat	atgcgtcaca agagttgggt tgtgatctga tccaaagcaa cgctctctaa ctcagggtaa tttggggcac cgcattcagg acagtagatg	tttctaaccc gtgaggatga acgatgatag aaattgacgc ccagcctcgg acgtttatgg gaaacgtgtt aagcggcctt cggctatgtt	gagtcatgat tttaaccaaa tagcataact tgcggaaaga tagatgtatc agaggcctta tttagctaag tgatgcacat acctgcactt	aacgaagccg gaggcgagtg tttgctgttc aaacgagtat cgcgaacagc ttgcagacat gtttcccagg agatttataa acacataaat
56041 56101 56161 56221 56281 56341 56401	atcatctatc ccttacgcca acagcgctac atggatggga atcttgaaca gccaagagct ttgtttcgat cagggtgtat ggaatacctt tttttgagtt	gtcgcctctc acttttagaa agcatccgaa aaacctgtta tctgtctaag agaaaaaaca gcaaaatggg tatcgacaat agttcgacat ggtcaacggc	atgcgtcaca agagttgggt tgtgatctga tccaaagcaa cgctctctaa ctcagggtaa tttggggcac cgcattcagg acagtagatg ccattgttta	tttctaaccc gtgaggatga acgatgatag aaattgacgc ccagcctcgg acgtttatgg gaaacgtgtt aagcggcctt cggctatgtt atcacgatga	gagtcatgat tttaaccaaa tagcataact tgcggaaaga tagatgtatc agaggcctta tttagctaag tgatgcacat acctgcactt acaccgtttt	aacgaagccg gaggcgagtg tttgctgttc aaacgagtat cgcgaacagc ttgcagacat gtttcccagg agatttataa acacataaat gcacaacccc
56041 56101 56161 56221 56281 56341 56401	atcatctatc ccttacgcca acagcgctac atggatggga atcttgaaca gccaagagct ttgtttcgat cagggtgtat ggaatacctt tttttgagtt	gtcgcctctc acttttagaa agcatccgaa aaacctgtta tctgtctaag agaaaaaaca gcaaaatggg tatcgacaat agttcgacat ggtcaacggc	atgcgtcaca agagttgggt tgtgatctga tccaaagcaa cgctctctaa ctcagggtaa tttggggcac cgcattcagg acagtagatg ccattgttta	tttctaaccc gtgaggatga acgatgatag aaattgacgc ccagcctcgg acgtttatgg gaaacgtgtt aagcggcctt cggctatgtt atcacgatga	gagtcatgat tttaaccaaa tagcataact tgcggaaaga tagatgtatc agaggcctta tttagctaag tgatgcacat acctgcactt acaccgtttt	aacgaagccg gaggcgagtg tttgctgttc aaacgagtat cgcgaacagc ttgcagacat gtttcccagg agatttataa acacataaat gcacaacccc
56041 56101 56161 56221 56281 56341 56401 56461	atcatctatc ccttacgcca acagcgctac atggatggga atcttgaaca gccaagagct ttgtttcgat cagggtgtat ggaatacctt tttttgagtt ctaacaccgc	gtcgcctctc acttttagaa agcatccgaa aaacctgtta tctgtctaag agaaaaaaca gcaaaatggg tatcgacaat agttcgacat ggtcaacggc cttattttt	atgcgtcaca agagttgggt tgtgatctga tccaaagcaa cgctctctaa ctcagggtaa tttggggcac cgcattcagg acagtagatg ccattgttta accgtggaaa	tttctaaccc gtgaggatga acgatgatag aaattgacgc ccagcctcgg acgtttatgg gaaacgtgtt aagcggcctt cggctatgtt atcacgatga acgttggcct	gagtcatgat tttaaccaaa tagcataact tgcggaaaga tagatgtatc agaggcctta tttagctaag tgatgcacat acctgcactt acaccgtttt atttccgcac	aacgaagccg gaggcgagtg tttgctgttc aaacgagtat cgcgaacagc ttgcagacat gtttcccagg agatttataa acacataaat gcacaacccc ttaaaagagg
56041 56101 56161 56221 56281 56341 56401 56461	atcatctatc ccttacgcca acagcgctac atggatggga atcttgaaca gccaagagct ttgtttcgat cagggtgtat ggaatacctt tttttgagtt	gtcgcctctc acttttagaa agcatccgaa aaacctgtta tctgtctaag agaaaaaaca gcaaaatggg tatcgacaat agttcgacat ggtcaacggc cttattttt	atgcgtcaca agagttgggt tgtgatctga tccaaagcaa cgctctctaa ctcagggtaa tttggggcac cgcattcagg acagtagatg ccattgttta accgtggaaa	tttctaaccc gtgaggatga acgatgatag aaattgacgc ccagcctcgg acgtttatgg gaaacgtgtt aagcggcctt cggctatgtt atcacgatga acgttggcct	gagtcatgat tttaaccaaa tagcataact tgcggaaaga tagatgtatc agaggcctta tttagctaag tgatgcacat acctgcactt acaccgtttt atttccgcac	aacgaagccg gaggcgagtg tttgctgttc aaacgagtat cgcgaacagc ttgcagacat gtttcccagg agatttataa acacataaat gcacaacccc ttaaaagagg

56581	gcttttattg	cttttctqqq	gtagaaggcg	ttacttttgc	acagagactt	gcctggaaat
56641	atattaggga	acttatattt	gcaaccacac	tattcacctc	tottttccat	tatagggagg
	tgcggttatg					
56761	aaggtatagg	cagttcccac	ggacccttag	acggcattta	tttaacgtac	gaagaaacat
56821	gtccccttgt	ggctattatt	caaagtggag	aaacagggat	cgaccagaat	accgtcgtaa
56881	tctacgattc	agacgttttt	tetettetat	acaccctaat	acaacaacta	gctccggatt
E 6 0 4 1	caacggaccc	agaattta	taacctccct	tacaaaaata	taattatact	ttttatgcat
50941	Caacggaccc	ggcgcccca	taacctccgc	Lacygygycy	cagccacacc	ttttatgtat
57001	attttctatg	tttgttacgg	cggttgtgtc	ggtctctcca	agctcgtttt	atgagagttt
57061	acaagtagag	cccacacaat	cagaagatat	aacccggtct	gctcatctgg	gcgatggtga
57121	tgaaatcaga	gaagctatac	acaagtccca	ggacgccgaa	acaaaaccca	cqttttacqt
57191	ctgcccaccg	ccaacacact	ccacaatcot	accattacaa	ccaactcgga	catatccaga
57101	ctgcccaccg	ccaacaggcc	theresees	tettett	ctaactegga	222222
	ttatcacctt					
	agcgtacaag					
57361	cggaagttct	tatacqcaaa	ttactaatag	atatgcggat	agggtaccaa	ttcccgtttc
57421	agagatcacg	gacaccattg	ataagtttgg	caagtgttct	tctaaaqcaa	catacataca
E7401	aaataaccac	aaaattaaaa	cctttaatca	ggataaaat	ccacaggata	tacctctaat
	cgcatcaaaa					
57601	ggttgccgga	acccccggaa	catataggac	gggcacgtcg	gtgaattgca	tcattgagga
	agttgaagcc					
	atacatgtcc					
57721	acacacyccc	tttaaaaaa	++~~~~++	±22222222	astattasas	gtagagatt
	aatggatcgt					
57841	actggaacct	gcagcgcgga	actttttagt	cacgcctcat	ttaacggttg	gttggaactg
57901	gaagccaaaa	cgaacggaag	tttgttcgct	tgtcaagtgg	cgtgaggttg	aagacgtagt
57961	tcgcgatgag	tatgcacaca	attttcgctt	tacaatgaaa	acactttcta	ccacqtttat
E0021	aagtgaaaca	aaggagttta	atottaacca	aatccatctc	agtraatgtg	taaaggagga
20021	aaytyaaata	aacgageeea	accidacca	aacccacccc	agecaatgeg	2+2++2222
28081	agcccgggct	attattaacc	ggatetatae	aaccagatac	aactcatctc	atyttagaat
58141	cggggatatc	cagacctacc	ttgccagagg	ggggtttgtt	gtggtgtttc	aacccctgct
58201	gagcaattcc	ctcqcccqtc	tctatctcca	agaattggtc	cgtgaaaaca	ctaatcattc
58261	accacaaaaa	cacccgactc	gaaataccag	atcccgacga	agcataccaa	ttgagttgcg
E0201	taggaataga	202253000	ccacctcatc	aataaaattt	actatactac	actttacata
58321	tgccaataga	acaacaacaa	CCaccicacc	ggtggaattt	getatgetee	agettacata
58381	tgaccacatt	caagagcatg	ttaatgaaat	gttggcacgt	ateteetegt	egtggtgeea
58441	gctacaaaat	cgcgaacgcg	ccctttggag	cggactattt	ccaattaacc	caagtgcttt
58501	agcgagcacc	attttggatc	aacqtqttaa	agctcgtatt	ctcggcgacg	ttatctccgt
58561	ttctaattgt	ccagaactgg	gatcagatac	acqcattata	cttcaaaact	ctatgagggt
50501	atataataat	204200055	attatagaaa	tagtttaatt	tosatactta	atttaaataa
58621	atctggtagt	actacgegut	gulatagueg	CCCCCCaacc	ttaatagtta	gcccaaacgg
58681	gtccgggacg	gtggagggcc	agcttggaac	agataacgag	ttaattatgt	ccagagatet
58741	gttagaacca	tgcgtggcta	atcacaagcg	atattttcta	tttgggcatc	actacgtata
58801	ttatgaggat	tatcqttacq	tccqtqaaat	cgcagtccat	gatgtgggaa	tgattagcac
58861	ttacgtagat	ttaaacttaa	cacttettaa	agatagagag	tttatgccgc	tgcaagtata
	tacaagagac					
	tcaaatgcat					
59041	ggccattatg	cagggcatgg	ctcagttttt	ccagggactt	gggaccgcgg	gccaggccgt
59101	tggacatgtg	attettaaaa	ccacqqqaqc	actactttcc	accotacaco	gatttaccac
50161	gtttttatct	aacccattto	acacattaca	catacastta	ttaattttaa	cagaactaat
59101	guttutatet	aacccacccg	gggcactggc	tatagggatta		tannaaantt
	agcggccttt					
59281	atatccactc	acaaccaagg	ggttaaaaca	gttaccggaa	ggaatggatc	cctttgccga
59341	gaaacccaac	gctactgata	ccccaataga	agaaattggc	gactcacaaa	acactgaacc
	gtcggtaaat					
	tatgacgtta					
59521	tagcgccctt	ttaacttcac	gtcttaccgg	ccttgcttta	cgaaatcgcc	gaggatactc
59581	ccgtgttcgc	accgagaatg	taacgggggt	gtaaatagcc	agggggtttg	ttttaattta
	ttaataaaaa					
	atacccgata					
	ttattatgga					
	cgtccaaaca					
59881	atgaagatag	gttagaacac	acgccggtac	aattaccccg	cgacggtaca	ccccgagacg
	tatgttctgt					
	gcgacagcca					
	tggagattat					
	aaaaatggat					
60181	attctgacac	cgattaaatt	taacttaaat	aaaaccttac	cacccataaa	aacgccttct
	gtttgtttaa					
60301	gtaatacttt	tatttottoo	ttaacacccc	cccaccatca	totgatttgc	aaacatatco
00301	gcgtcgtctg	ccytyyaccc	cigialtaaa	ggggccccgg	aactegeete	tactycattl
60421	acatcttgtc	caactgtatc	tgtatgtggg	gtgcttgttg	tattttggga	tgagcataga

60491						
00401	cccgaaacgc	tttgaagctg	ttttaataaa	atcgatattc	gaggatcccg	tgtcccctct
60541	agtatattta	tatggtgcga	caaaggcatt	tatataccat	tttqtqattt	tagetetgta
60601	99000000				actactacaa	255222225
90901	acctcctgtt	gcagttttgc	Cacaacccca	gcaagccccc	cgcgccgacc	attagaaatt
60661	ctgtgtctcc	tctgccaata	tgatggagaa	actcgacgtc	tccgatgcgt	tatatacgtt
60721	ggttcaccgg	gaaaatatat	atttqaqqqa	aactctccqt	ccatttgaga	ctccccacta
		ccaattccct				
60841	acatcggttt	tgtctggaaa	atttacacac	ggggtctgca	agtcaatacc	eegeteggeg
60901	gccaatgcgt	tcataaatgc	ggacatttgc	atttccaaac	gattgggtgg	tggatatccc
60961	ggaaacccgt	acggtccccc	gaagtgtccc	ggagggcaac	cataaccccc	tgtattaggt
		gcgggtgtgg				
		atacctgcgg				
61141	gtaggtatca	gtacaaattc	ccctccggtt	ggaacgcccg	acgggggctg	tggtgagata
61201	ttactagcgt	tacctgctac	agaagccata	tcqctqtcqt	tcctacacaa	ctgcgtaacc
		gaacagtctt				
		gcccgccggg				
61381	gactccaccc	cattaacgtt	ggttatccga	gcaagtccat	atccggtgct	agcctgaaga
61441	taaacgtgac	ccataattcc	ggcttcgcgt	ctacgttttg	caaccacgtc	ccatctatct
61501	cttaaaagca	tattgttcac	gactatagat	aataacacct	taacaaattt	atcttcqcta
61561	acettacata	atttatttaa	2000000t20	totttaacca	cccacaataa	ccacacttta
		ctttatttaa				
		ataaaacccg				
61681	accactgttc	caacgcgtct	tccaacaaca	cataacgcaa	catgggtaaa	aaaattaccg
61741	totootatot	cattcgggga	caatcotttt	gaagacaggg	atacqqaqqq	taaqtaattt
61001	********	252222222	ttatagggga	gataatagag	aatctctatt	trraaaaaaa
01001	gryaccaage	ataacgcacg	LLCLagegga	gataatatag	aacccccacc	
61861	ttcgaatggg	ccgcttcaaa	cagcaccgca	tgtagttgag	ggcatctaac	gatacccaaa
61921	aaaaaaggtc	cgcgtatgtc	ctcaatgatt	gcgattactt	cacccacgac	acagtctttt
61981	cgatgatcga	tgtttattgg	tattttacta	gtaggcggca	aagcggaccg	cacaatctct
62041	agagtaatat	ttaattcccc	ttcatccttt	gaatataagg	ctaaataccc	agccacgtat
62041	ggggtaatat	Lt - L - L - L - L	et es estate	gaacacaagg		255555555
6510T	aacgcttcac	agttctcttc	gtcagcttca	geageeatta	taaacacccc	acggaccgga
62161	tagtgaatac	tcacggtgtg	gaggcaaact	gaggaatgac	acccaaacag	acaaaatata
62221	gaagatcata	gtcactgtta	acqttqaact	gcgcaaggcg	gcgactttct	tccaatgccg
62291	cccttacacc	cggttggtgc	attaacattc	caagtccccg	ttcatattqc	aacataacac
62201	teteetete	tastaggege	accaacatot	ataggggatat	22625555	caacaatatt
62341	tgtcatgtat	tgataccacg	geggetatgg	gragggargr	aacaccccgc	cggcggtgtt
62401	ctaattccaa	tgcaattaag	cttatgagcc	gatcttggta	ctgtccagaa	gaaatateta
62461	ttacggttct	tcctaaactt	ccacgactaa	gctgggtatg	cgcgtctaaa	caaagagcaa
62521	ctaatccagg	aaacatttca	gtcagctctg	tagtccgatt	taacqtatac	agtggtgcta
62521	CCGGCCGGG		500050005	-333		
	+ - + - + + -	2024222224	tassacttat	tattaccact	tttaaacttc	ccatcaaacc
62581	tatatcgttc	acataaaaat	tgaaagttat	tattaccgct	tttaaacttc	ccatcaaacc
62641	tatatcgttc ccgtcgctcc	acataaaaat gcgcaagatt	acattgttgg	taggggttcc	tgttgcttct	ccatcaaacc gacacaatca
62641	tatatcgttc ccgtcgctcc	acataaaaat gcgcaagatt	acattgttgg	taggggttcc	tgttgcttct	ccatcaaacc gacacaatca
62641 62701	tatatcgttc ccgtcgctcc aacccagttg	acataaaaat gcgcaagatt aaaattattt	acattgttgg tttagtttat	taggggttcc ctccgtatac	tgttgcttct gttcccgttc	ccatcaaacc gacacaatca cataataagc
62641 62701 62761	tatatcgttc ccgtcgctcc aacccagttg gccttaataa	acataaaaat gcgcaagatt aaaattattt taataacgcc	acattgttgg tttagtttat gtaatcgtgt	taggggttcc ctccgtatac caattgttaa	tgttgcttct gttcccgttc ccttaataga	ccatcaaacc gacacaatca cataataagc gtttggtctt
62641 62701 62761 62821	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg	acattgttgg tttagtttat gtaatcgtgt gcccgttcta	taggggttcc ctccgtatac caattgttaa aatacgccgc	tgttgcttct gttcccgttc ccttaataga ggccgcctgt	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt
62641 62701 62761 62821 62881	tatategtte cegtegetee aacceagttg geettaataa ceataagaaa ceacatatge	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag
62641 62701 62761 62821 62881	tatategtte cegtegetee aacceagttg geettaataa ceataagaaa ceacatatge	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag
62641 62701 62761 62821 62881 62941	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg
62641 62701 62761 62821 62881 62941 63001	tatategtte cegtegetee aacceagttg geettaataa ceataagaaa ecacatatge gtgeaggegg egeettgate	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc
62641 62701 62761 62821 62881 62941 63001 63061	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaaattgata	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgtttta	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat
62641 62701 62761 62821 62881 62941 63001 63061 63121	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaaattgata attccggtag	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgttttta gtgctctata	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat
62641 62701 62761 62821 62881 62941 63001 63061 63121 63181	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaaattgata attccggtag tagatgtcct	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgttttta gtgctctata atacattaaa	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc
62641 62701 62761 62821 62881 62941 63001 63061 63121 63181	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaaattgata attccggtag tagatgtcct	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgttttta gtgctctata atacattaaa	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc
62641 62701 62761 62821 62881 62941 63001 63061 63121 63181 63241	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaaattgata attccggtag tagatgtcct	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgtttta gtgctctata atacattaaa atacattctc	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg
62641 62701 62761 62821 62881 62941 63001 63061 63121 63181 63241 63301	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaaattgata attccggtag tagatgtcct tatctccaac tacgggaaat	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgtttta gtgctctata atacattaaa atacattctc gcgcccgtct	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacggcc	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63301 63361	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaaattgata attccggtag tagatgtcct tatctccaac tacgggaaat caagccgttc	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgttttta gtgctctata atacattaaa atacattctc gcgcccgtct ctgcagagta	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63301 63361 63421	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaaattgata attccggtag tagatgtcct tatctccaac tacgggaaat caagccgttc cccttgccct	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgttttta gtgctctata atacattcaa atacattctc gcgcccgtct ctgcagagta tcccaagtac	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagttt	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63301 63361 63421	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaaattgata attccggtag tagatgtcct tatctccaac tacgggaaat caagccgttc cccttgccct	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgttttta gtgctctata atacattcaa atacattctc gcgcccgtct ctgcagagta tcccaagtac	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagttt	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63361 63421 63481	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaaattgata attccggtag tagatgtcct tatctccaac tacgggaaat caagccgttc cccttgccct gcaacggtgc	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgttttta gtgctctata atacattcaa atacattctc gcgcccgtct ctgcagagta tcccaagtac atcattttg	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga gcaatctgta	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac cctcgggtg	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagttt tatagactca	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63361 63421 63481 63541	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaaattgata attccggtag tagatgtcct tatctccaac tacgggaaat caagccgttc cccttgccct gcaacggtgc tttctgtacg	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgttttta gtgctctata atacattaaa atacattctc gcgcccgtct ctgcagagta tcccaagtac atcattttg tgtacattcc	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgt	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac cctcggggtg catctgcttc	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagttt tatagactca ttccgcctcg	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63361 63421 63481 63541 63541 63601	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaaattgata attccggtag tagatgtcct tatctccaac tacgggaaat caagccgttc cccttgcct gcaacggtgc tttctgtacg tctccaggga	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgtttta gtgctctata atacattaaa atacattctc gcgcccgtct ctgcagagta tcccaagtac atcattttg tgtacattcc atccaaaacc	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac cctcggggtg catctgcttc gcgttagttg	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagttt tatagactca ttccgcctcg ttcttcgagg	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63361 63421 63481 63541 63601 63661	tatategtte cegtegetee aacceagttg geettaataa ceataagaaa ceacatatge gtgeaggegg egeettgate aaattgata atteeggtag tagatgteet tateteeaae taegggaaat caageegtte eeettgeeet geaaeggtge tttetgtaeg tetecaggga gaegatetat	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgccc actgtttta gtgctctata atacattaaa atacattctc gcgcccgtct ctgcagagta tcccaagtac atcatttttg tgtacattcc atccaaaacc ttccgttggt	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac cctcggggtg catctgcttc gcgttagttg tttccccgcg	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagttt tatagactca ttccgcctcg ttcttcgagg aaggttgtct	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63361 63421 63481 63541 63601 63661 63721	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaattgata attccggtag tagatgtcct tatctccaac tacgggaaat caagccgttc cccttgccct gcaacggtgc tttctgtacg tctccaggga gacgatctat cggccgcgc	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgccc actgtttta gtgctctata atacattaaa atacattctc gcgcccgtct ctgcagagta tcccaagtac atcatttttg tgtacattcc atccaaaacc ttccgttggt atttttaac	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg gttaacgtat	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac cctcggggtg catctgcttc gcgttagttg tttccccgcg ttttttccaa	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagttt tatagactca ttccgcctcg ttcttcgagg aaggttgtct atcgggattc	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa atacgcctc
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63361 63421 63481 63541 63601 63661 63721	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaattgata attccggtag tagatgtcct tatctccaac tacgggaaat caagccgttc cccttgccct gcaacggtgc tttctgtacg tctccaggga gacgatctat cggccgcgc	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgccc actgtttta gtgctctata atacattaaa atacattctc gcgcccgtct ctgcagagta tcccaagtac atcatttttg tgtacattcc atccaaaacc ttccgttggt atttttaac	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg gttaacgtat	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac cctcggggtg catctgcttc gcgttagttg tttccccgcg ttttttccaa	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagttt tatagactca ttccgcctcg ttcttcgagg aaggttgtct atcgggattc	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa atacgcctc
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63361 63421 63481 63541 63601 63661 63721 63781	tatatcgttc ccgtcgctcc aacccagttg gccttaataa ccataagaaa ccacatatgc gtgcaggcgg cgccttgatc aaattgata attccggtag tagatgtcct tatctccaac tacgggaaat caagccgttc cccttgccct gcaacggtgc tttctgtacg tctccaggga gacgatctat cggccgccgc ttaactcaaa	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc actgtttta gtgctctata atacattcaa atacattctc gcgcccgtct ctgcagagta tcccaagtac atcatttttg tgtacattcc atcatttttg tgtacattcc atccaaaacc ttccgttggt atttttaac cgcgggagcc	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg gttaacgtat gtccagtagt	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac cctcggggtg catctgcttc gcgttagttg tttccccgcg tttttccaa gtatgggaa	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagttt tatagactca ttccgcctcg ttcttcgagg aaggttgtct atcgggattc gttggggct	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa atacgcctc ataaagttct
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63361 63421 63481 63541 63601 63661 63721 63781 63781	tatategtte cegtegetee aacceagttg geettaataa ceataagaaa ceacatatge gtgeaggegg cgeettgate aaattgata atteeggtag tagatgteet tateteeaae taegggaaat ceaeggtge tetetgtaeg teteetgeet geaaeggtge tttetgtaeg teteeagga gaegatetat eggeegeege ttaaeteaaa tagtggtaga	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgccc actgtttta gtgctctata atacattctc gcgcccgtct ctgcagagta tcccaagtac atcatttttg tgtacattcc atccaaaacc ttccgttggt atttttaac cgcgggagcc caaaaatatc	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg gttaacgtat gtccagtagt ccacattat	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac cctcggggtg catctgcttc gcgttagttg tttccccgcg ttttttccaa gtatgggaa tcggaaacga	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagttt tatagactca ttccgcctcg ttcttcgagg aaggttgtct atcgggattc gttgggggct gatagatccg	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa atacgcctc ataaagttct aacccatatc
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63361 63421 63481 63541 63661 63721 63781 63781 63841 63901	tatategtte cegtegetee aacceagttg geettaataa ceataagaaa ceacatatge gtgeaggegg egeettgate aaattgata atteeggtag tagetgeet tateteeaae taegggaaat caageegtte eeettgeet geaaeggtge tttetgtaeg teteeagga gaegatetat eggeegeege ttaaeteaaa tagtggtaga tegeegteat	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgtttta gtgctctata atacattctc gcgccgtct ctgcagagta tcccaagtac atcattttg tgtacattcc atccgttgtgt atttttaac cgcgggagcc caaaaatatc ggtgtctgca	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg gttaacgtat gtccagtagt ccacatttat gcaaacaag	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac cctcggggtg catctgcttc gcgttagttg tttccccgcg ttttttccaa gtatgggaaa tcggaaacga tcaactggcg	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagttt tatagactca ttccgcctcg ttcttcgagg aaggttgtct atcgggattc gttgggggct gatagatccg tgaatataaa	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa atacgcctc ataaagttct aacccatatc ccggtactgc
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63361 63421 63481 63541 63601 63661 63721 63781 63901 63961	tatategtte cegtegetee aacceagttg geettaataa ceataagaaa ceacatatge gtgeaggegg cgeettgate aaattgata atteeggtag tagatgteet tateteeaae taegggaaat caageegtte ceettgeet geaaeggtge tttetgtaeg teteeagga gaegatetat eggeegeege ttaaeteaaa tagtggtaga tegeegteat teteaaaget	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgtttta gtgctctata atacattctc gcgccgtct ctgcagagta tcccaagtac atcatttttg tgtacattcc atccgttggt atttttaac cgcgggagcc caaaaatatc ggtgtctgca gttttctac	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg gttaacgtat gtccagtagt ccacatttat gcaaacaaag ccatgggaaa	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac cctcggggtg catctgcttc gcgttagttg tttccccgcg ttttttccaa gtatgggaa tcggaaacga tcaactggcg acatcccggt	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagtt tatagactca ttccgcctcg ttcttcgagg aaggttgtct atcggggttc gttgggggct gatagatccg tgaatataaa tatactttgt	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa atacgcctc ataaagttct aacccatatc ccggtactgc aaaattccac
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63361 63421 63481 63541 63601 63661 63721 63781 63901 63961	tatategtte cegtegetee aacceagttg geettaataa ceataagaaa ceacatatge gtgeaggegg cgeettgate aaattgata atteeggtag tagatgteet tateteeaae taegggaaat caageegtte ceettgeet geaaeggtge tttetgtaeg teteeagga gaegatetat eggeegeege ttaaeteaaa tagtggtaga tegeegteat teteaaaget	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgtttta gtgctctata atacattctc gcgccgtct ctgcagagta tcccaagtac atcatttttg tgtacattcc atccgttggt atttttaac cgcgggagcc caaaaatatc ggtgtctgca gttttctac	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg gttaacgtat gtccagtagt ccacatttat gcaaacaaag ccatgggaaa	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac cctcggggtg catctgcttc gcgttagttg tttccccgcg ttttttccaa gtatgggaa tcggaaacga tcaactggcg acatcccggt	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagtt tatagactca ttccgcctcg ttcttcgagg aaggttgtct atcggggttc gttgggggct gatagatccg tgaatataaa tatactttgt	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa atacgcctc ataaagttct aacccatatc ccggtactgc aaaattccac
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63361 63421 63481 63541 63661 63721 63781 63901 63961 64021	tatategtte cegtegetee aacceagttg geettaataa ceataagaaa ceacatatge gtgeaggegg egeettgate aaattgata atteeggtag tagetgeet tateteeaae taegggaaat ceettgeet geaaeggtge tttetgtaeg teteeagga geegteet teteeagga teteeagecege ttaaeteaaa tegeegteat tetaaaaget cacaageace	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgttttta gtgctctata atacattctc gcgccgtct ctgcagagta tcccaagtac atcattttg tgtacattcc atccgttggt atttttaac cgcgggagcc caaaaatatc ggtgtctgca gttttcttac taaagaaggc	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccggcggact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg gttaacgtat gtccagtagt ccacatttat gcaaacaaag ccatgggaaa cttctaaggg	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac taaaatccac cctcggggtg catctgcttc gcgttagttg tttccccgcg ttttttccaa gtatgggaa tcggaaacga tcaactggcg acatcccggt gtaaatccac	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctaccgtgg agctacctgga ttgaaagttt tatagactca ttccgcctcg ttcttcgagg aaggttgtct atcgggattc gttggggct gatagatccg tgaatataaa tatactttgt cccacaagct	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa atacgcctc ataaagttct aacccatatc ccggtactgc aaattccac gcattttctt
62641 62701 62761 62821 62881 63941 63001 63121 633241 63361 63421 63481 63541 63661 63721 63781 63781 63901 63961 64021 64081	tatategite cegtegetee aacceagitg geettaataa ceataagaaa ceacatatge gigeaggegg cgeettgate aaattgata atteeggtag tageteet tateteeae taegggaaat caageegtte ceettgeet geaaeggtge titetgtaeg teteeagga teteegeet teteeaaa teggeegeet titaaaaget cacaageace caaactttgt	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgttttaa gtgctctata atacattctc gcgccgtct ctgcaagata tcccaagtac atcatttttg tgtacattcc atccatttttg tgtacattcc atccaaaacc ttccgttggt atttttaac cgcgggagcc caaaaatatc ggtgtctgca gttttcttac taaagaaggc taaagcggaa	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccaggggact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg gttaacgtat gtccagtagt ccacatttat gcaaacaaag ccatgggaaa cttctaaggg cgatggcatg	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac catcgggtg catctgcttc gcgttagttg tttccccgcg tttttccaa gtatgggaa tcggaaacga tcaactggcg acatcccggt gtaaatccac attcgcacg	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctacgggc aatccctgga ttgaaagttt tatagactca ttcgcctcg ttcttcgagg aaggttgtct atcgggattc gttggggct gatagatcc gttggggct cgttggggct cgttggggct cgttggggct cgttggggct cgttggggct cgttggggct cgttggggct cgttggcgct ccttttcgca	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa atacgcctc ataaagttct acccatatc ccggtactgc aaaattccac gcattttctt agagaacata
62641 62701 62761 62821 62881 62941 63001 63121 63181 63241 63361 63421 63481 63541 63661 63721 63781 63901 63961 64021 64081 64141	tatategite cegtegetee aacceagitg geettaataa ceataagaaa ceacatatge gtgeaggegg cgeettgate aattegata atteeggtag tageteet tateteeae taegggaaat caageegtte ceettgeet geaaeggtge tttetgtaeg teteeagga teteeagga teteeagga teteeagga teteeagga teteeagga teteeagga teteeagga teteeagga teteeagege teteeagga teteeagga teteeagegeege ttaaeteaa teggeegeege ttaaeteaa teggeegeege ttaaeteaa teggeegee tetaaageaee caaaetttgt cgtgaatttt	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgtttta gtgctctata atacattctc gcgccgtct ctgcagagta tcccaagtac atcattttg tgtacattcc atccatttttg tgtacattcc atccgttggt atttttaac cgcgggagcc caaaaatatc ggtgtctgca gttttcttac taaagaaggc taaagcggaa ctttttgcat	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccaggcgact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg gttaacgtat gtccagtagt ccacatttat gcaaacaaag ccatgggaaa cttctaaggg cgatggcatg agacgtcttc	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac catcgggtg catctgcttc gcgttagttg tttccccgcg tttttccaa gtatgggaa tcggaaacga tcaactggcg actcccggt gtaaatccac attcgcacg	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctaccgtga ttgaaagttt tatagactca ttcgcctcg ttcttcgagg aaggttgtct atcgggattc gttgggggct gatagatccg tgaatataaa tatactttgt cccacaagct ctttttcgca ggaccttatc	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa atacgcctc ataaagttct aacccatatc ccggtactgc aaattccac gcattttctt agagaacata gggggggtat
62641 62701 62761 62821 62881 63941 63001 63121 633241 63361 63421 63481 63541 63661 63721 63781 63961 63961 64021 64081 64141 64201	tatategite cegtegetee aacceagitg geettaataa ceataagaaa ceacatatge gtgeaggegg cgeettgate aatteggtag tagteet tateteeaae taegggaaat caageegtte ceettgeeet geaaeggtge tttetgtaeg teteeaggga gaegatetat cegeegeege ttaaeteaaa tagtggtaga tegeegeege ttaaeteaaa tegeegeege ttaaeteaaa tegeegeege ttaaeteaaa tegeegeege ttaaeteaaa tegeegeege ttaaeteaaa tegeegeege tetaaeteaaa tegeegeegee tetaaaaget cacaageace caaaetttgt cgtgaatttt atteegetae	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgtttta gtgctctata atacattctc gcgccgtct ctgcagagta tcccaagtac atcattttg tgtacattcc atccgttggt atttttaac cgcgggagcc caaaaatatc ggtgtctgca gttttcttac taaagaaggc taaagcggaa ctttttgcat attcccaaa	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccaggcgact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg gttaacgtat gtccagtagt ccacatttat gcaaacaaag ccatgggaaa cttctaaggg cgatggcatg agacgtcttc tgcgacgcta	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac catcgggtg catctgcttc gcgttagttg tttccccgcg tttttccaa gtatggggaa tcggaaacga tcaactggcg actccggt gtaaatccac attcgcacg gctctctaac gcataacaag	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctaccgtga ttgaaagttt tatagactca ttcgcctcg ttcttcgagg aaggttgtct atcgggattc gttggggct gatagatcc gttggggct cgttggggct cgttggataccg tgaatataaa tatactttgt cccacaagct ctttttcgca ggaccttatc gtttccatga	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa atacgcctc ataaagttct aacccatatc ccggtactgc aaaattccac gcattttctt agagaacata gggggggtat atcacctttg
62641 62701 62761 62821 62881 63941 63001 63121 63321 63361 63421 63481 63541 63661 63721 63781 63901 63961 64021 64081 64201 64201 64261	tatategite cegtegetee aacceagitg geettaataa ceataagaaa ceacatatge gtgeaggegg cgeettgate aatteggtag tagteet tateteeaae taegggaaat caageegtte ceettgeeet geaaeggtge tttetgtaeg teteeaggga gaegatetat cegeegeege tttaaeteaaa teggeegeege tttaaeteaaa teggeegeege ttaaeteaaa teggeegeege ttaaeteaaa teggeegeege ttaaeteaaa teggeegeege ttaaeteaaa teggeegeege ttaaeteaaa teggeegeege tttaaaaget cacaageace caaaetttgt cgtgaatttt atteegetae ggggtaaceg	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgtttta gtgctctata atacattctc gcgccgtct ctgcaagata tcccaagtac atcattttg tgtacattcc atccgttggt atttttaac cgcgggagcc caaaaatatc ggtgtctgca gttttcttac taaagaaggc taaagcggaa ctttttgcat attcccaaa agttacctgt	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccaggcgact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg gttaacgtat gtccagtat gccacatttat gcaaacaaag ccatgggaaa cttctaaggg cgatggcatg agacgtcttc tgcgacgcta aacaggttca	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac catcgggtg catctgcttc gcgttagttg tttccccgcg tttttccaa gtatgggaa tcggaaacga tcaactggcg actccggt gtataccgcg gctctctaac gcataacaag gacccgttg	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctaccgtga ttgaaagttt tatagactca ttgaaggttc tcttcgagg aaggttgtc gttggggct gatggggct gttggggct cctttcgagg cctcggattccgttggggct cgttggggct cgttggggct cgttggggct cgttggggct cgttggggct cgttggggct cgttggatacaa tatactttgt cccacaagct cttttccatga agatacaaac	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa atacgcctc ataaagttct aacccatatc ccggtactgc aaaattccac gcattttctt agagaacata gggggggtat atcacctttg acaaggaggg
62641 62701 62761 62821 62881 63941 63001 63121 63321 63361 63421 63481 63541 63661 63721 63781 63901 63961 64021 64081 64201 64201 64261	tatategite cegtegetee aacceagitg geettaataa ceataagaaa ceacatatge gtgeaggegg cgeettgate aatteggtag tagteet tateteeaae taegggaaat caageegtte ceettgeeet geaaeggtge tttetgtaeg teteeaggga gaegatetat cegeegeege tttaaeteaaa teggeegeege tttaaeteaaa teggeegeege ttaaeteaaa teggeegeege ttaaeteaaa teggeegeege ttaaeteaaa teggeegeege ttaaeteaaa teggeegeege ttaaeteaaa teggeegeege tttaaaaget cacaageace caaaetttgt cgtgaatttt atteegetae ggggtaaceg	acataaaaat gcgcaagatt aaaattattt taataacgcc cacgttttgg ggtatgattg taggacctgc ataccgcccc actgtttta gtgctctata atacattctc gcgccgtct ctgcagagta tcccaagtac atcattttg tgtacattcc atccgttggt atttttaac cgcgggagcc caaaaatatc ggtgtctgca gttttcttac taaagaaggc taaagcggaa ctttttgcat attcccaaa	acattgttgg tttagtttat gtaatcgtgt gcccgttcta cgatcaataa aaccgtataa ccacgagcat ttttcgtgtg aggttcccga tataaacata ccaggcgact ttacaatcaa cgataccatg accagggtga gcaatctgta tcagattgtg ttggccatgc aacgtaatcg gttaacgtat gtccagtat gccacatttat gcaaacaaag ccatgggaaa cttctaaggg cgatggcatg agacgtcttc tgcgacgcta aacaggttca	taggggttcc ctccgtatac caattgttaa aatacgccgc tgtcattaac gcgcatccat gaaactggtc ttgtcatata aggacgaaac ataccgcaca gtagacatgt ctccgcgtgc gcccgaaaac catcgggtg catctgcttc gcgttagttg tttccccgcg tttttccaa gtatgggaa tcggaaacga tcaactggcg actccggt gtataccgcg gctctctaac gcataacaag gacccgttg	tgttgcttct gttcccgttc ccttaataga ggccgcctgt cccaggatta aacagaatgt gcgtggtaga attcacaaat ttgaggttcg ctcgaacgcg taccgttgtg agctaccgtga ttgaaagttt tatagactca ttgaaggttc tcttcgagg aaggttgtc gttggggct gatggggct gttggggct cctttcgagg cctcggattccgttggggct cgttggggct cgttggggct cgttggggct cgttggggct cgttggggct cgttggggct cgttggatacaa tatactttgt cccacaagct cttttccatga agatacaaac	ccatcaaacc gacacaatca cataataagc gtttggtctt tgaatcttgt aactgtccag gacgttaagg cgatcatagc gtctcagtat tggacactat gagtacgctc ttcataaacg ctatctaaca gagttattgc gtatcgtact ttgcgtatta gcagcagccg ggctttaaac aatgcggcaa atacgcctc ataaagttct aacccatatc ccggtactgc aaaattccac gcattttctt agagaacata gggggggtat atcacctttg acaaggaggg

```
64381 ccctcagctg gcgcataccc tcgcaaaact ggtgatactt agtaggggta tgtatattag
64441 cgctaaaacg gcaagatttt aattccacta taaaacaaac ggtctttccg gcaccactgg
64501 attccgtttg tataatacaa acacaatcgg ggcgtcggcg tcccaaattt acttcaaacg
64561 acattgatat gcgtacagcc ctttgaacat ccacgtggga taacggcgac aggagttttg
64621 ccagcctcgg gttgaacgcg tccgcgaaac ctcgacgtac gttatcaata tcctttttga
64681 gtacatcgta aaaacgagtg tggcaacgtt gtcccaaacg aaaacacttg gcccgaattc
64741 gactagegga catatttgaa gtteegteee agaagataae etaagaegeg tttgtetaca
64801 ataaacatgt caacggataa aaccgatgta aaaatgggcg ttttgcgtat ttatttggac
64861 ggggcgtatg gaattggaaa aacaaccgcc gccgaagaat ttttacacca ctttgcaata
64921 acaccaaacc ggatcttact cattggggag cccctgtcgt attggcgtaa ccttgcaggg
64981 gaggacgcca tttgcggaat ttacggaaca caaactcgcc gtcttaatgg agacgtttcg
65101 attatgcatg cgaaaatctc ggcattgatg gacacaagta catcggatct cgtacaagta
65161 aataaggagc cgtataaaat tatgttatcc gaccgacacc caatcgcctc aactatatgt
65221 tttcccttgt ccagatactt agtgggagat atgtccccag cggcgcttcc tgggttattg
65281 tttacgcttc ccgctgaacc ccccgggacc aacttggtag tttgtaccgt ttcactcccc
65341 agtcatttat ccagagtaag caaacgggcc agaccgggag aaacggttaa tctgccgttt
65401 gttatggttc tgagaaatgt atatataatg cttattaata caattatatt tcttaaaact
65461 aacaactggc acgcgggctg gaacacactg tcattttgta atgatgtatt taaacagaaa
65521 ttacaaaaat ccgagtgtat aaaactacgc gaagtacctg ggattgaaga cacgttattc
65581 gccgtgctta aacttccgga gctttgcgga gagtttggaa atattctgcc gttatgggca
65641 tggggaatgg agaccette aaactgetea cgaagcatgt etcegttegt attategtta
65701 gaacagacac cccagcatgc ggcacaagaa ctaaaaactc tgctacccca gatgaccccg
65761 gcaaacatgt cctccggtgc atggaatata ttgaaagagc ttgttaatgc cgttcaggac
65821 aacacttcct aaatatacct agtatttacg tatgtaccag taaaaaagatg atacacattg
65881 tcatactcgc gtgtacgtgt ttttcttttt tatatatgcg tcatttatta ccacatcctt
65941 taatcccgcc tttatctccc taaaacggag tggtaatatt aaaagccgcc aagcctgttg
66001 gtgggtgagg aggggtaaag gcacgctgtg tgcataacgt tgcggtgata ttgtagcgca
66061 agtaacagcg actatgtttg cgctagtttt agcggtggta attcttcctc tttggaccac
66121 ggctaataaa tcttacgtaa caccaacccc tgcgactcgc tctatcggac atatgtctgc
66181 tcttctacga gaatattccg accgtaatat gtctctgaaa ttagaagcct tttatcctac
66241 tggtttcgat gaagaactca ttaaatcact tcactgggga aatgatagaa aacacgtttt
66301 cttggttatt gttaaggtta accctacaac acacgaagga gacgtcgggc tggttatatt
66361 tccaaaatac ttgttatcgc cataccattt caaagcagaa catcgagcac cgtttcctgc
66421 tggacgtttt ggatttctta gtcaccctgt gacacccgac gtgagcttct ttgacagttc
66481 gtttgcgccg tatttaacta cgcaacatct tgttgcgttt actacgttcc caccaaaccc
66541 ccttgtatgg catttggaaa gagctgagac cgcagcaact gcagaaaggc cgtttggggt
66601 aagtetttta eeegetegee caacagteee caagaataet attetggaac ataaagegea
66661 ttttgctaca tgggatgccc ttgcccgaca tactttttt tctgccgaag caattatcac
66721 caactcaacg ttgagaatac acgttcccct ttttgggtcg gtatggccaa ttcgatactg
66781 ggccaccggt tcggtgcttc tcacaagcga ctcgggtcgt gtggaagtaa atattggtgt
66841 aggatttatg agctcgctca tttctttatc ctctggacca ccgatagaat taattgttgt
66901 accacataca gtaaaactga acgcggttac aagcgacacc acatggttcc agctaaatcc
66961 accgggtccg gatccggggc catcttatcg agtttattta cttggacgtg ggttggatat
67021 qaatttttca aagcatgcta cggtcgatat atgcgcatat cccgaagaga gtttggatta
67081 ccgctatcat ttatccatgg cccacacgga ggctctgcgg atgacaacga aggcggatca
67141 acatgacata aacgaggaaa gctattacca tatcgccgca agaatagcca catcaatttt
67201 tgcgttgtcg gaaatgggcc gtaccacaga atattttctg ttagatgaga tcgtagatgt
67261 tcagtatcaa ttaaaattcc ttaattacat tttaatgcgg ataggagcag gagctcatcc
67321 caacactata tccggaacct cggatctgat ctttgccgat ccatcgcagc ttcatgacga
67381 actttcactt ctttttggtc aggtaaaacc cgcaaatgtc gattatttta tttcatatga
67441 tgaagcccgt gatcaactaa agaccgcata cgcgctttcc cgtggtcaag accatgtgaa
67501 tgcactttct ctcgccaggc gtgttataat gagcatatac aaggggctgc ttgtgaagca
67561 aaatttaaat gctacagaga ggcaggcttt attttttgcc tcaatgattt tattaaattt
67621 ccgcgaagga ctagaaaatt catctcgggt attagacggt cgcacaactt tgcttttaat
67681 gacatccatg tgtacggcag ctcacgccac gcaagcagca cttaacatac aagaaggcct
67741 ggcatactta aatccttcaa aacacatgtt tacaatacca aacgtataca gtccttgtat
67801 gggttccctt cgtacagacc tcacggaaga gattcatgtt atgaatctcc tgtcggcaat
67861 accaacacgc ccaggactta acgaggtatt gcatacccaa ctagacgaat ctgaaatatt
67921 cgacgcggca tttaaaacca tgatgatttt taccacatgg actgccaaag atttgcatat
67981 actccacacc catgtaccag aagtatttac gtgtcaagat gcagccgcgc gtaacggaga
68041 atatgtgctc attettecag ctgtccaggg acacagttat gtgattacac gaaacaaacc
68101 tcaaaggggt ttggtatatt ccctggcaga tgtggatgta tataacccca tatccgttgt
68161 ttatttaagc agggatactt gcgtgtctga acatggtgtc atagagacgg tcgcactgcc
68221 ccatccggac aatttaaaag aatgtttgta ttgcggaagt gtttttctta ggtatctaac
```

9/23/03 4:26 PM

60001					~~t~~~~~	ananathaa
68281	cacgggggcg	attatggata	taattattat	tgacagcaaa	gatacagaac	gacaactage
		aactccacaa				
68401	ggctgtgttg	ttgtttccaa	acggaactgt	ggtaacgctt	ctaggattcg	aacgacgaca
68461	agccatacga	atgtcgggac	aataccttgg	ggcctcttta	ggaggggcgt	ttctggcggt
68521	agtggggttt	ggtattatcg	gatggatgtt	atgtggaaat	tcccgccttc	gagaatataa
68581	taaaatacct	ctgacataaa	aaacatqtat	aataaaaaqt	cactataaac	gtattctcta
68641	caatacttta	ttcgcgaata	atacacacta	cctttagatt	tttttcccqt	ccccaaatgg
68701	tatttaatac	actctaccaa	aaaatagagc	gcctaaatat	gctatataac	acctcccaac
60761	assatsgat	tcaaaggcat	tacccatat	tatattataa	tacaddddaa	toogaattga
60001	aaaatacggt	ccaaaggcac	caccegatat	caccattatas	cacagggcaa	cagaatacaa
68821	tgateccaat	aaacggcata	gacgcacage	geegeratag	caggggtett	cagagiacag
		taccgggata				
		gataaaccaa				
		tgtgacgttt				
69061	agtttcagcc	aacgtgccaa	taaagcccac	ttccctcaag	aggctgtttg	ctgtatccac
69121	aatggtccgt	attaaatctt,	gagcaacttg	atccgtgtca	tcatcactgg	gtaacgcgtt
69181	aacataacta	cgcgttaaat	cttcaataac	ggcataacaa	ttaaacgctt	cccaccgaga
69241	caqtatatat	tgaacaatca	cgaaccgttg	acaggacgtc	agatcacgtc	cgtaagcatg
69301	cccgaaaaat	ggaagttccc	cccattcacc	atataccqca	acaactgcag	tatatatcqt
69361	ctcacgggct	tcattaagtt	catcttcaaq	tccaqqccat	tttctqqctt	taaatataac
		aaaaaaaccg				
		caaatgtcca				
		tcggacttct				
69601	aateggeaea	tcatctgctt	ctacgtette	tocattaga	ccagcagcgc	tetecceat
		gttttttcat				
69721	cccgtcgaat	aatccactca	ctageteetg	caaactttct	ggtaactcca	acatacycat
		gaaaaactgg				
		gttggaaaca				
		tgcgtcacgg				
69961	ttcaacatca	aatgttccgc	aaaggtcgcg	atccaccgcc	cccgatcccg	ctgcaagtaa
70021	ggccactcga	tccaaaaaca	cgcagttatt	attggatgat	accgcccatg	tcttcccggt
70081	gcgattgagc	tcacttcgaa	cgtaactggc	aacagatctg	tcaccgggtc	cgaccccgcg
70141	aacaacatqt	ccaaattttg	cgatctcgcc	tccatgtttg	cggggtatgg	aaattaagca
		ataaaatacg				
		gttgaatgat				
70321	trgaacttgc	cgtcccgtga	tcatataatc	gccaacctta	ggtccacacc	gaatatgaga
70381	aatatataac	tacacgcaaa	cattcaaaac	accotootat	cattaacqtc	atatgaaaag
70301	atccaatcaa	tccaatcaac	cacacctcct	accotttage	acqtcaqcta	tataacatac
70571	tagaaagata	cgtaaacatt	tagagaggt	attataacaa	tctatcagac	ggggtatatt
		caaggatcgg				
		ttatgaaccc				
		ttaaccagca				
		ataacaccat				
70801	agctctgcat	gtacccgcac	atctaccgta	aacaggtcgg	cgtttacgca	acactccgtg
70861	ttttatatta	tatccacggt	gttgattcaa	ccaatatgtt	gtatcttctt	tttttttac
70921	tataaagcga	cacgctgtat	gctcttattc	acagccgggt	tacttctgac	gattctacat
70981	cactttcgac	ttattattat	gttattgtgt	gtctacagaa	atatacgatc	agacctgcta
71041	cccttatcta	catcccagca	actgctgctt	ggaattattg	ttgtgactcg	aacaatgcta
71101	ttttqtatta	cggcgtatta	tactcttttt	atagacaccc	gggtgttctt	tttgattacc
		aaagtgaggt				
		gtccagccgt				
		cggtatcctt				
		tttagtccat				
		ataattaccg				
		cttctcgcag				
		gctgacaaaa				
		cgtattgctg				
		accatagagg				
		gataacagcc				
		aactttgtgc				
		gagctggctt				
		cgtgatggcc				
		aagcgttcgt				
		acatatgtcg				
		gctcgtaatt				
		ggtgttctat				
			_	-	-	

9/23/03 4:26 PM

72181	taaattccaa	cccgagggac	atctaaatcg	tgttgcacgc	gcggccctac	tttcggacct
		gtctgtgcgg				
		tatctgtcgg				
		acaaacactc				
		caactattac				
		ggcgaaatgg				
72541	aaaggccgtc	cgcggaatgg	atgatgtagc	ccgccatctc	cttgatataa	ccgaccctaa
72601	cacgttaaac	ataccgtcta	tacccccaca	atccaactcc	gattcaacga	cagctgggct
72661	tccqqttaac	gcccgtgttc	ctqcqqattt	agtgattgtt	ggggataaac	ttgtattctt
72721	agaagcatta	gaacggcggg	tctaccaage	tacgcgcgtt	gcctaccctc	ttattggaaa
		acgtttatca				
		gccggcgatt				
		tttttttata				
		atctgccaca				
73021	ccaacaacat	ttagatcgtc	agtgttattt	tggtgtatac	gtggccgagg	gtacagagga
73081	cacattggat	gttcaaatgg	ggaggtttat	ggaaacgtgg	gcagatatga	tgcctcatca
		gtaaacgaac				
73201	tctaaggttt	gaattaaacc	ccacctttaa	tttttttatt	acaccaaaaa	acqtagacct
		cagcgtcccc				
		attcccgtgc				
		ggaagacata				
		gcatacccaa				
73501	aagaaacttc	tgtgcgttac	tgcgactgtt	aacacagtgt	attcgcgggt	attgggagca
73561	atcccacagg	gtggcatttg	taaataactt	tcacatgtta	atgtacataa	ctacatatct
		gagcttcccg				
73681	aagagcatta	cgccaaacta	taaccgattt	tacaatacaa	qqaqaqqqcc	ataacqqcqa
73741	gacctcggaa	gcgctaaata	acatecttac	ggatgacacg	tttattgcac	ctattctatq
		gcgttaatat				
		cgaaacggat				
		gataatgtgt				
		actccacacc				
74041	tattgtcatt	cctgcatttt	cccgcggttc	ctgttgtaca	atgggcgtgc	gttatgatcg
74101	cctataccct	gcgttacagg	cagttatcgt	tccggaaatt	cccgctgatg	aagaagcccc
		gaagatccaa				
		ttccataatg				
		ggagatatgg				
		gccacggcaa				
		atgatggcat				
		ccggtcaacc				
		gctaggcggg				
		cacgcaacta				
74641	ggattttaat	actcttacat	attctcttct	tggagggtat	tttaagttta	caccaatatc
74701	tcttacacat	caactacgaa	cgggatttca	ccccgggatt	gcctttaccg	tagtgcgcca
		gccacagagc				
		caagtacacc				
		cacgtggacc				
		ctcacggata				
		ttacatgata				
		cccaccgaac				
		cgagggcaag				
		tttagaactg				
75241	gggtgaccgt	gacgccgaca	tagaggctat	aatgtttgat	cacacacaat	cggatgttgc
75301	ttatacagat	cgagcaactc	ttaacccatg	ggcatcacaa	aaacattcat	acggtgacag
		ggaacataca				
		ccagcggagg				
		gtggcgtcgc				
		gaaatgacac				
		gatgcggcca				
		gcccaatatc				
		tttcaccacg				
		cttgagattt				
		ctatgccatt				
		cattacagaa				
		tggtggatat				
		tgttagaggc				
		- 5 5 - 5 5 5		- 3		

76081	ccgggaaagt	tgttggcgca	tgccattggc	gtgggtactc	ctacacccgg	gttgtttatt
	caaaatacat					
	ttcgggtccg					
70201	recgggeeeg	cagacttaat	ccgcccggac	tetgtaggae	tasttastas	
76261	accatccccc	agaccttaat	gcgagaaatc	accgccaaag	tggttgcacg	ggccgttgag
76321	cgcacggccg	cgggtgctca	aattttaccc	cacgaagttc	tacgaggcgc	ggatgtcatt
	tgttacaatg					
76441	agacatatta	gaaggegea	tttaaatata	atattttaa	taaaccaacc	atatataatt
70441	gcggctattc	gcacactggc	Lilaaalila	acguittica	taaacgaggg	acguergee
76501	ttattggcgc	tgattccaac	tttgttagtc	caaggagcac	acgacggtta	tgtaaattta
76561	ttgatacaaa	cggccaattg	cgttagagaa	accggccagt	taattaatat	accgccaatg
76621	ccgcggattc	aagacggcca	tcgccgattt	cccatatata	aaactatttc	atcttggata
76601	tcaacatcat	atagataga	ggataggttg	ggaactcgcg	caattttacc	catatatata
70001	ttaatattat	ctagactggg	ggatactitg	ggaactegeg	caattttatg	cyccigigi
	tttgatggac					
76801	ggtgttaata	aaaacacaac	cagtctagtt	acatttcacg	cgtcttgttt	ttatttaata
	ggcataaaca					
	accatcagat					
	agattaccca					
77041	tccacggggt	ctacacctaa	ctttactgtt	agggatacaa	gctcctgtga	ggctattata
	tttccggagt					
	aaaaaaaaag					
77221	ggagcggaag	atagcacgtt	tcccttttcg	aggacagcaa	actgttgtgc	tatagccaac
77281	gatatggcaa	ctgcagaatc	ctggctgctg	tttccctcta	tagaaacgtg	tacgtttgta
	aatgtattgg					
77401	tacataccas	55c5caaa5c	tassaatata	202223220	gatacaataa	2221212210
	tcactggaag					
	caatccgact					
77521	gtaaatgcag	ggtctacgta	aacgtacaac	actgacgata	atatagcaca	attcgcaacg
	gttgacggcc					
77641	aaccccacac	gagagagatt	ctatttacac	ccacctacaa	tttcctccc	gaaggagteg
	gccataaata					
77761	tttaatacat	aacacgaaca	agctgtgaca	tcgctatgtg	ctaaaacacg	cggcatgtga
	tcgtcgcata					
77001	aaaaaacttg	tacttocttt	tecentattt	attastass	caaaaataat	tttacaatto
	gtttgattta					
78001	tccacaaaca	gaagattaaa	atcttgacct	cggataccct	ggaacgatag	aaagatatat
78061	agttacccca	ccaaaqttta	aatqtatcct	taaataccac	gtacgtaaaa	aatqtttqaa
	tacgtacata					
	tttggcaaat					
78241	cgttgtgata	cctaacgcgg	ggcttattgc	ggccggaata	gatcccgcat	tactgatttt
78301	aaagaaaccc	ggacaacgct	tcaaggttga	agtacaaaca	agatatcatg	ctacaggtca
78361	atgcgaaccg	taatatcaaa	ttttcaccac	gtacattccc	gataacgcct	taacaaatct
	cttaatacca					
78481	gggattgatt	ttatcattgc	ctgtttatct	tagccccggt	ttattctttg	atgcatttaa
78541	cgttgtagcg	atacqaataa	atactqqaaa	ccqcaaqcac	cqtqatattt	gtattatgta
78601	tgcagaacta	atrocasaro	gaacgcgtta	ttttactaat	ggacaacggg	tacttttatt
	atgcaaacag					
	atacgcagag					
78781	tggacccgtt	tcatccataa	tcgatcttga	tcgacagtta	acttctggag	gtattgatga
	ctccctgct					
	ggccgtaaac					
	tgggttgctt					
79021	taacggttcc	tttgatggcg	tccttgagcc	gcctggacaa	gggcgattta	cgggaaagaa
	aaacaattcg					
	gacagaaccc					
	ggacactcca					
79261	agaatccccc	agtccgttga	ttgtagtatc	ttacaacgga	tcctctgcct	ggggaggacg
79321	tattaccgga	agtccaattt	tatatcactc	tgcacaggct	attattgatg	ctqcqtqtat
	aaatgcccgg					
72301	aaatgcccgg	gergacaate	cccaaagcct	tactgrada	gettgetady	agetagecyc
	gcgtttaccg					
	aggcgccgaa					
	aggtcttata					
	tgcagattct					
	gactatagtt					
	gtatgcggtt					
79801	accctacctt	cacgcttcct	tcccatgctq	gttaggtaat	cgttctatat	atttatttga
	ctattataat					
13361	agaaaaggtt	ggtattggta	utticatata	accyayyyt	uaatttatat	acaacacaaa

79981	tattgttgat	attggaattt	gttctaagta	tttacccggt	caatgttacg	cgtacatttg
80041	tctaggattt	aaccagcaat	tacaatccat	tttagtttta	ccggggggat	ttgcggcatg
		accgataccc				
		tgcttctcta				
00101	agacagacic	igettetta	Luccuatur	ccacaaacaa	accagogoca	
		aatctcttca				
80281	taaaatataa	aataaccggg	tgggtggcat	taaacccaca	agtacccggg	cggcaatccg
		tttctgctca				
		aaattaaccc				
		tggaagtcca				
80521	ttttataact	ttaaggatcg	ctccgtttat	cccccttcaa	acggatacta	ctaatattgc
80581	cattattata	gccacaattt	acatcacqcq	cccacqtcaq	atqaacttac	ctccqaaqac
		attgtaaatt				
		gttgaaaaca				
80761	gtaccccctt	ccaacatcta	ttccggatcc	tcgagcagat	cccacccccg	cagatettae
80821	accaacgcca	aacttaagca	actacttaca	acccccgcgg	cttccgaaaa	atccatacgc
		atttctccgg				
		cctaatttaa				
		aatcgactcc				
81061	tcacgtgggg	gcactgtatg	cgttacccca	tgtcacaaat	catgcggaag	gttgtgtgtg
		tgtatgtgga				
		caggttcttt				
		attaccgcaa				
81301	ctctgtacca	gtaaattcat	ctgggtggca	gctttatatg	tttggagaaa	cattaagccg
81361	ggctattatt	aacggctgtg	gtctgcttca	gcgaatttgc	ttccccqaqa	cacaaagatt
81421	atronotosa	ccggaaccta	caaccaccta	gtatacctta	actraaccoc	cattatagaa
		caacatttac				
81541	tgtgttgtga	cttgacgcga	acaccgctgt	gctgtaagac	ccgtcggtaa	atgaaaacgt
81601	aatagattcg	ccttttacat	gatccacgta	atttgcccca	aaccactgtt	ccaggcgaga
		tcaaacacgg				
01/21	aattttttta	aacgtggcca	ctactaaagc	tattaatggt	acaayaaacc	acguille
		ggtaccaaaa				
81841	agaaacactt	ggcgtgttaa	acactgtacg	cagaaagcag	tcaactctgt	cggcatgatc
		accgatgaaa				
		cccttatatc				
		tcttcaatac				
82081	aaaggtagac	aactgacaga	aactatccga	cagagaaaac	gcgcgaaatg	tgttcataac
82141	accqctatac	gcatttcgat	gaggtgctgc	ttcttccggt	gaatattcat	aaaactgtac
		gcctttttta				
		acattggggg				
		gcagtagccg				
82381	aattccggga	ataacggcct	gatgacgtcg	ggttacatct	atagcaaaat	tcagaaacgg
82441	gatttgggtt	gcgtttccca	gagacccttg	ccqcqtqqaa	cacqqqqtaq	gggactccaa
82501	cataccassa	cgttcatccc	tacgacgctt	tagacgttca	aaatatotta	cagattette
02501	cgccccaaag	cgcccacccc	thetestes	cagacgccca	aaattaaaa	22444444
		cgaccaaaca				
		agcagtaaaa				
82681	cataaacatt	ttcagggccg	cattcattca	ctttggtcat	gtcaggccac	actccaacct
		taggcgtaac				
82801	ttaaagaaga	gaccctcgat	ctaatccctc	aggatacasa	tatacaacat	ccagcatttc
		tactgctgca				
82921	cagctcgcat	agcttcagtt	gaacagaaga	ttcgtgatat	acaatccaag	gttgaggaac
82981	aaacaaqtat	tcaacagatt	ttaaatacaa	acagacgcta	tataqcaccc	gattttattc
		taaaacagaa				
		catcgaacac				
		gatgctgacg				
83221	tttgcgttcc	caccacaata	ccgacggaca	tgaaccaaat	gcaaccgcag	ccgatcagca
83281	agaacgagaa	tccaccaacc	ccacacacaa	atgtgtaaat	catccataga	ccaatccatc
		tgcatggaat				
		acgagagatc				
		ccatgggttt				
		gaacagttat				
		acgtatgggc				
03041	catggacagt	cgtgttttta	acayayayit	aactaacycg	accidaycya	gugaggguuc
83701	tatacgagca	ggggaaaggc	taggtatttc	tagcatagtt	tgccttttag	gtttttcgtt
83761	acaaaccaaa	cagctactgt	ttccggcata	cgacatggat	atggatgaat	acattgttcg
		cggttgacaa				
			-		-	-

83881	agatttggct	caagcgttga	cgtttttaaa	tegaaegtge	ggcctgaccc	acctagatgt
83941	gaaatgtggc	aatattttc	ttaacgtcga	caactttgcc	tcgttggaaa	taaccacagc
84001	agtaatcgga	gactatagcc	tagtaacatt	aaatacqtat	tccctttgta	ctcgagcgat
					cgcgtacccc	
					caaccccctg	
84181	tgattatatt	aatggaacgg	gccttactaa	atatactgga	accttgcccc	aaagagttgg
84241	acttqcqatt	gatctttatg	cattqqqcca	agcactctta	gaagttatcc	tgctaggacg
84301	tetteecaa	caactgccca	tttcagtaca	tragarrrra	cattatcact	actacggtca
04361	taaattataa	caactifica	cocttcatac	actacatat	castatata	tagagagata
					cgatgtgtcc	
					ccctttatac	
84481	gctgaacacc	cgtatttccc	ggaattcttt	acgccggata	ttccagtgtc	acgcagtgcg
					attccggcct	
					gaaatacgct	
					gccccagcc	
84721	attgcccgtg	tgggaggtct	acagcaccct	tttgtaaaaa	cggatattaa	cacgattaac
84781	gttgaacacc	attttataga	cacgctacag	aagacatcac	cgaacatgga	ctgtcgcggg
					aaattctaac	
					acgcactgtt	
					ccaaattaac	
85021	attaaacgta	ttctattaac	aatagaatcg	gagactcgtg	gtcagggcga	caatgccatt
85081	tggacactac	tcagacgaaa	tttaatcacc	gcatcaactc	ttaaatggag	tgtatctgga
					cagacacata	
					gagcgatagt	
					cgccagaagc	
85321	ttttttaatt	ttgacatgct	caataccaaa	tctccaagtc	tccttgtggg	tacaccaaga
					cgggacttat	
					ccctaaatcc	
					aatacctctt	
85561	gacaaaaata	acccgctcgg	tcggacgtac	accacgttaa	taaatagacc	tacaatggca
85621	aatctacggg	actttttata	tactataaaa	aacccatgtg	taagcttctt	tggaccctca
					ttgaatggaa	
					atttgggcct	
					aaaaggggac	
					tatttgccaa	
85921	gctaacttta	aacaaattgc	cgtacaaacc	tatgtattat	ccggttactt	tccagcgcta
					gccgaccaca	
					aatataactg	
					ctatcgaagt	
					ttacatcagc	
86221	ttgcgatggg	acaatcttca	tccagcggtc	gaggaggaat	ctgtggattg	tgcaaacggt
					gaactcagag	
					atccacacaa	
00341	accetgacee	tatasasas	gcaacagagg	attacaaaaa	accededada	tagaaataga
					gagctcccat	
					taaaaacatc	
86521	tggttactgt	gaatgtttgt	tttattgctt	gggggtttac	aagtacaacc	cacgctactc
					cggtccgttt	
					tttgtgcggc	
					tcgggtactc	
					gcacgcatca	
86821	caacatgaca	acggaaaaca	cggccaggca	agccaaggtt	ccccgagttg	tgggaattaa
86881	ccqtqqaqat	tgaaccgata	tagggtcata	taatcqqtcc	atatacgagt	gcgcggcggt
					cctattaaca	
					gacaatgtac	
					tgattcgcca	
87121	cagcattaat	gatacaaata	ggatacatat	cgccatcaac	gcagccatca	aattcacgaa
					ctctgctgtc	
					caaaaatacg	
					acgccgattt	
					agaccccaaa	
87421	gggatctaca	actaaccatq	caacaccgga	gctttgccgg	acacgttgat	ttttcgtttc
					atggccattg	
					aacaaaaccg	
					gcgttaaata	
					gaagaggcgg	
87721	agccaggagc	attaccgcac	ccaaagtgaa	catcatcacc	tgaattatcc	aaattcgcca
	= =					

9/23/03 4:26 PM

87781						
	attaagcgta	tccatttgat	gatctaacgc	ttccacctcg	ggtgtcgtgg	tgtcgtacgg
07011	cgagactttt	+020220000	ccccttctt	ttaaattaaa	atototocca	acaccadada
87901	gagcaacgcc	gccgtctatg	cgtccagtac	acagetegeg	cgggcgttat	atggagggga
87961	tctggtttcg	togattaaac	acacccaccc	gggaattagc	ctggaactgc	aattggatgt
07701	666996669			555445454		++
	tccagtaaaa					
88081	ccctatgggc	tctqqtaaaa	caacaqcctt	gcttgagtgg	cttcaacacq	cqttaaaqqc
00141	agatattagc	gracigging	tettatgttg	Cogcagooo	acccagacge	cyactcaacy
88201	gtttaacgat	gcaggcctct	ccggattcgt	aacatatttg	acatccgaga	catatattat
88261	gggttttaaa	catttaatta	tacaacttaa	aagcctacac	cacatateca	gcgaagctat
	cgacagctac					
88381	ccccacaatg	agacgtcttt	ccqcqqttqa	taqcctatta	tatcqtcttt	taaatcqctq
	ttctcaaatt					
88501	attgcgtgga	gatgaaaaca	tacacacaat	tgtgtgtaca	tacgcgggag	ttgggttctc
	cggaagaact					
00501				2224442	atagatagaa	92+++++
00021	acgatctcct	yaacacyayy	atguacguac	catatattaa	ctacgtggaa	cattettega
88681	cgaactagca	ctacgattac	aatgtgggca	taacatctgt	atattttcat	caactttatc
88741	gttttcggag	ctagttgctc	agttttgtgc	aatatttaca	gactctattc	ttattttaaa
00001	ctcaactcgg	cccctatgta	atytaaatya	atygaaacat	Lucycycyc	tggtgtatat
88861	taccgtcgtg	accgttggat	tgagttttga	catggctcat	tttcatagca	tgtttgctta
88921	cataaagcca	atgtcatatg	ggccggatat	ggtatcggtc	taccaqtcat	tagggcgtgt
	acgtttattg					
89041	acccctgttc	tcgccaatgt	tactaaactt	taccatcgca	aataaatttc	aatggtttcc
	tacacacacc					
	atttacacgc					
89221	atgctctctt	tggagtttag	ccgatagcat	taatatctta	caaactcttt	tggcctctaa
89281	ccaaattttg	gttgtattgg	atggcatggg	tccaataacq	gacgtttccc	caqttcaatt
002/1	ttgtgcattt	atacaccatc	tranaratan	cactaacacc	gtagetteet	gtatgcgttc
09341	Ligigiatit	atacacyatic	ccagacacag	cyctaacycc	gragereee	gracycyccc
89401	tcttagacag	gacaatgaca	gctgcttgac	cgattttggc	ccttccggat	ttatggccga
89461	taacattacc	gcgtttatgg	aaaagtatct	tatqqaqtca	attaataccg	aagaacaaat
	taaagtattt					
	attgggggcg					
89641	atacacgcac	tacgcttccg	gttggtttcc	cgtcctggac	aaaaccgggg	aatttagcat
89701	cgcgactata	actaccaccc	caaatttaac	cacacattgg	gagetgttte	accattatac
00761						333-
						cacaagtttt
89821	ggatacggac	attaatacac	ttttcaatca	acacggggat	tcgctggctc	aactaatatt
89821 89881	ggatacggac tgaggttatg	attaatacac cgctgtaacg	ttttcaatca ttactgacgc	acacggggat taagattata	tcgctggctc ttaaaccgcc	aactaatatt cggtttggcg
89821 89881 89941	ggatacggac tgaggttatg aacaaccgga	attaatacac cgctgtaacg ttcttagatg	ttttcaatca ttactgacgc gatgccataa	acacggggat taagattata tcaatgcttc	tcgctggctc ttaaaccgcc cgtccaatcc	aactaatatt cggtttggcg ctacaaaaca
89821 89881 89941	ggatacggac tgaggttatg aacaaccgga	attaatacac cgctgtaacg ttcttagatg	ttttcaatca ttactgacgc gatgccataa	acacggggat taagattata tcaatgcttc	tcgctggctc ttaaaccgcc cgtccaatcc	aactaatatt cggtttggcg ctacaaaaca
89821 89881 89941 90001	ggatacggac tgaggttatg aacaaccgga cgaatataac	attaatacac cgctgtaacg ttcttagatg attgctctat	ttttcaatca ttactgacgc gatgccataa ttcgtttaat	acacggggat taagattata tcaatgcttc ttgggaacaa	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac
89821 89881 89941 90001 90061	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct
89821 89881 89941 90001 90061 90121	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt
89821 89881 89941 90001 90061 90121 90181	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc
89821 89881 89941 90001 90061 90121 90181	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc
89821 89881 89941 90001 90061 90121 90181 90241	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa agcacatcaa	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc
89821 89881 89941 90001 90061 90121 90181 90241 90301	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa agcacatcaa actgtcccg	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa
89821 89881 89941 90001 90061 90121 90181 90241 90301 90361	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa agcacatcaa actgtccccg cgttaatacc	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg
89821 89881 89941 90001 90061 90121 90181 90241 90301 90361	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa agcacatcaa actgtccccg cgttaatacc	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg
89821 89881 89941 90001 90061 90121 90181 90241 90301 90361 90421	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta ggggttacat	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aaatactaag	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtatttca cgctatcgga gtttataacc cctctgtaca	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac
89821 89881 89941 90001 90061 90121 90181 90241 90301 90361 90421 90481	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aaatactaag ctatggacgc	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt
89821 89881 89941 90001 90061 90121 90181 90241 90301 90361 90421 90481 90541	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag gccgcaagca	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aaatactaag ctatggacgc tatacacatc	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tccggacaat	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc
89821 89881 89941 90001 90061 90121 90181 90241 90301 90361 90421 90481 90541	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag gccgcaagca	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aaatactaag ctatggacgc tatacacatc	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tccggacaat	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc
89821 89881 89941 90001 90061 90121 90181 90241 90301 90421 90481 90541 90601	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aaatactaag ctatggacgc tatacacatc acttattatg	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tccggacaat tgtgggaaat	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa
89821 89881 89941 90001 90061 90121 90181 90301 90361 90421 90481 90541 90601 90661	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgcacg ctacaattag aattttgaaa aaatactaag ctatggacgc tatacacatc acttattatg aacaagagga	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca tttatgtcgc	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa agcacatcaa actgtcccg cgttaatacc acacaaaggg accttggtta tccggacaat tgtgggaaat tactccaggc	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atggggggag	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgtttctgcg
89821 89881 89941 90001 90061 90121 90181 90301 90361 90421 90541 90601 90661 90721	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgcacg ctacaattag aattttgaaa aatactaag ctatggacgc tatacacatc acttattatg aacaagagga cgtctatctg	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca tttatgtcgc cagggcggcg	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tccggacaat tgtgggaaat tactccaggc	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atggggggag cgttagacgc	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt
89821 89881 89941 90001 90061 90121 90181 90301 90361 90421 90541 90601 90661 90721	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgcacg ctacaattag aattttgaaa aatactaag ctatggacgc tatacacatc acttattatg aacaagagga cgtctatctg	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca tttatgtcgc cagggcggcg	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctgca gttctctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tccggacaat tgtgggaaat tactccaggc	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atggggggag cgttagacgc	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt
89821 89881 89941 90001 90121 90181 90241 90301 90421 90481 90541 90601 90661 90721 90781	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aatactaag ctatggacgc tatacacatc acttattatg aacaagagga cgtctatctg gtaacgcaga	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca tttatgtcgc cagggcggcg cacctggcgt	acacggggat taagattata tcaatgcttc ttgggaacaa tcgttgtgaaa tcgttctcaa agtctctcaa agcacatcaa actgtcccg cgttaatacc acacaaaggg accttggtta tccggacaat tgtgggaaat tactccaggc tcctcggctg	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atggggggag cgttagacgc gcactgcct	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccactta
89821 89881 89941 90001 90121 90181 90241 90301 90421 90481 90541 90601 90721 90781 90781	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgacc gcacgacacg ctacaattag aattttgaaa aatactaag ctatgacgc tatacacatc acttattatg aacaagagga cgtctatctg gtaacgcaga tagggtttaa	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca tttatgtcgc cagggcggcg cacctggcgt atcgttttat	acacggggat taagattata tcaatgcttc ttgggaacaa tcgttgtgaaa tcgttctcaa agtctctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tccggacaat tgtgggaaat tactccaggc tcctcggctg tgtctccatg	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc gcactgcct cattcgagac	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccactta tgatacgaat
89821 89881 89941 90001 90061 90121 90181 90301 90361 90421 90541 90601 90721 90781 90781 90901	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgcacg ctacaattag aattttgaaa aatactaag ctatgacgc tatacacatc acttattatg aacaagagga cgtctatctg gtaacgcaga tagggttaa cgttaaaaccatc	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca tttatgtcgc cagggcggcg cacctggcgt atcgttttat aatccccgat	acacggggat taagattata tcaatgcttc ttgggaacaa tcgttctgca gttctctcaa agcacatcaa actgtcccg cgttaatacc acacaaaggg accttggtta tccggacaat tgtgggaaat tactccaggc tgtctccatg tgtctccatg tggccagtaa gaacacgcgt	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc gcactgcct cattcgagac tgaataatga	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccacttta tgatacgaat caacacgcca
89821 89881 89941 90001 90061 90121 90181 90301 90361 90421 90541 90601 90721 90781 90781 90901	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgcacg ctacaattag aattttgaaa aatactaag ctatgacgc tatacacatc acttattatg aacaagagga cgtctatctg gtaacgcaga tagggttaa cgttaaaaccatc	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca tttatgtcgc cagggcggcg cacctggcgt atcgttttat aatccccgat	acacggggat taagattata tcaatgcttc ttgggaacaa tcgttctgca gttctctcaa agcacatcaa actgtcccg cgttaatacc acacaaaggg accttggtta tccggacaat tgtgggaaat tactccaggc tgtctccatg tgtctccatg tggccagtaa gaacacgcgt	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc gcactgcct cattcgagac tgaataatga	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccacttta tgatacgaat caacacgcca
89821 89881 89941 90001 90061 90121 90181 90301 90361 90421 90541 90661 90721 90781 90901 90961	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg cccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aatactaag ctatgacgc tatacactc acttattatg aacaagagga cgtctatctg gtaacgcaga tagggtttaa tgttaaaaac tattgaggc	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca tttatgtcgc cagggcggcg cacctggcgt atcgttttat aatccccgat ttaatttcc	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgtgaaa tcgttctgca gttctctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tccggacaat tgtgggaaat tactccaggc tgtctccatg tgtctccatg tgtctccatg tcgccagtaa gaacacgcgt gtggccattg	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc gcactgcct cattcgagac tgaataatga atgtttcagc	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccactta tgatacgaat caacacgcca agtcagcgca
89821 89881 89941 90001 90061 90121 90181 90301 90361 90421 90541 90661 90721 90781 90901 90961 90961 91021	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg cccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag tgtaacgcc	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgcacag attttgaaa aatactaag ctatacacatc acttattatg aacaagagga cgtctatctg gtaacgcaga tagggtttaa tgttaaaaac tattgaggc acacgcaagg	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca tttatgtcgc cagggcggcg cacctggcgt atcgttttat aatccccgat taatttccc tacgtcgcta	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgtgaaa tcgttctccaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tccggacaat tgtgggaaat tactccaggc tgtctccatg tgtctccatg tgtgccagtaa gaacacgcgt gtggccattg gcctacgcc	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc gcactgcct cattcgagac tgaataatga atgtttcagc gcctgaccgc	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccactta tgatacgaat caacacgcca agtcagcgca acttaaatct
89821 89881 89941 90001 90061 90121 90181 90301 90421 90541 90561 90721 90781 90901 90961 90961 91021 91081	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg cccgcttgg cgaagccatg cggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag tgtaacgcc aacggtgaca	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgcacag attttgaaa aatactaag ctatacacatc acttattatg aacaagagga cgtctatctg gtaacgcaga tagggtttaa tgttaaaaac tattgaggc acacgcaaga ccagcaaca	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca ttatgtcgc cagggcggcg cacctggcgt atcgttttat aatccccgat taatttccc tacgtcgcta aacacctta	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgtgaaa tcgttctccaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tccggacaat tgtgggaaat tactccaggc tgtctccatg tgtctccatg tgtctccatg tgtgccattg gcgtacgcc gacgtgagg	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc gcactgcct cattcgagac tgaataatga atgtttcagc gcctgaccgc taattacacc	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccactta tgatacgaat caacacgcca agtcagcgca acttaaatct aaaggcctac
89821 89881 89941 90001 90061 90121 90181 90301 90421 90541 90561 90721 90781 90961 90961 91021 91081 91141	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg cccgcttgg cgaagccatg cgggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag tgtaacgcc aacggtgaca atacgtcgga	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aatactaag ctatgacgc tatacactc acttattatg aacaagagga cgtctatctg gtaacgcaga tagggtttaa tgttaaaaac tattgagggc acacgcaagg cccagcaaca aatataagtc	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtatttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca ttatgtcgc cagggcggcg cacctggcgt atcgtttat aatccccgat taatttccc tacgtcgcta aacacctta tacgttttcc	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgtgaaa tcgttctccaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tccggacaat tgtgggaaat tactccaggc tgtctccatg tgtctccatg tgtctccatg tgtgccattg gctacgcc gacgtggagg cccctatag	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc gcactgcct cattcgagac tgaataatga atgtttcagc gcctgaccgc taattacacc agcgggaagg	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccactta tgatacgaat caacacgcca agtcagcgca acttaaatct aaaggcctac ccaaacctcc
89821 89881 89941 90001 90061 90121 90181 90301 90421 90541 90561 90721 90781 90961 90961 91021 91081 91141	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg cccgcttgg cgaagccatg cgggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag tgtaacgcc aacggtgaca atacgtcgga	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aatactaag ctatgacgc tatacactc acttattatg aacaagagga cgtctatctg gtaacgcaga tagggtttaa tgttaaaaac tattgagggc acacgcaagg cccagcaaca aatataagtc	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtatttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca ttatgtcgc cagggcggcg cacctggcgt atcgtttat aatccccgat taatttccc tacgtcgcta aacacctta tacgttttcc	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgtgaaa tcgttctccaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tccggacaat tgtgggaaat tactccaggc tgtctccatg tgtctccatg tgtctccatg tgtgccattg gctacgcc gacgtggagg cccctatag	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc gcactgcct cattcgagac tgaataatga atgtttcagc gcctgaccgc taattacacc agcgggaagg	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccactta tgatacgaat caacacgcca agtcagcgca acttaaatct aaaggcctac ccaaacctcc
89821 89881 89941 90001 90061 90121 90181 90361 90421 90541 90561 90721 90781 90901 90961 91021 91081 91141 91201	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cgggggtaa ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag tgtaacgcc aacggtgaca atacgtcgga gatttgtta	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aatactacgc tatacacatc acttattatg aacaagagga cgtctatctg gtaacgcaga tagggtttaa tgttaaaaac tattgaggc acacgcaagg cccagcaaga cccttgaaga	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca ttatgtcgc cagggcggcg cacctggcgt atcgttttat aatccccgat taatttccc tacgtcgcta aacaccttta tacgttttcc acgccgcttg	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tcgggaaaat tgtgggaaat tactccaggc tgtctccatg tgtctccatg tggccattg gtgccattg gcctacgcc gacgtggagg cccctatag gttcttagtg	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc gcactgcct cattcgagac tgaataatga atgtttcagc gcctgaccgc taattacacc agcgggaagg gcaatcgcgc	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtcttcc gtttgcgaa tgttctgcg ctggccctt ggccactta tgatacgaat caacacgcca agtcagcgca acttaaatct aaaggcctac ccaaacctcc aattgtgta
89821 89881 89941 90001 90061 90121 90181 90361 90421 90541 90561 90721 90781 90961 90961 91021 91081 91141 91201 91261	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cgggggtaa ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag tgtaacgcc aacggtgaca atacgtcgga gatttgtta agggtactct	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aatactacgc tatacacatc acttattatg aacaagagga cgtctatctg gtaacgcaga tagggtttaa tgttaaaaac tattgaggc acacgcaagg cccagcaagg cccagcaaca aatataagtc accttgaaga taccgtgtta	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca ttatgtcgc cagggcggcg cacctggcgt atcgttttat aatccccgat taatttccc tacgtcgcta aacaccttta tacgttttcc acgccgcttg ttttgactgt	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tcgggaaat tgtgggaaat tactccaggc tgtctccatg tgtctccatg tgtgccattg gtgccattg gcctacgcc gacgtggagg ccccctatag gttcttagtg ttaacaacgg	tegetggete ttaaacegee cgtccaatee ttatttggeg aacetaaaaa tgtegtacet cagegttaca atgeacttgg ggategtgge atatatggae cetetaaeag gagaaagegg taacacagaa acgteectaa atgggggag cgttagaege geactgeet cattegagae tgaataatga atgttteage gectgaeege taattacace agegggaagg gcaategege attecaeegt	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccacttta tgatacgaat caacacgcca agtcagcgca acttaaatct aaaggcctac ccaaacctcc aattgtggta tacatcttcc
89821 89881 89941 90001 90061 90121 90181 90361 90361 90541 90561 90721 90781 90961 90961 91021 91081 91141 91201 91261 91321	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cgggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag tgtaacgccc aacggtgaca atacgtcgga gatttgtta agggtactct ctttcaatat	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aatactacatc acttattatg acgtctatctg gtaacgcaga tagggtttaa tgttaaaaac tattgaggc acacgcaaga cgccagcaaga cactctgaaga cccttgaaga taccgtgtta tagcaacata	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca ttatgtcgc cagggcggcg cacctggcgt atcgtttta aatccccgat taatttccc tacgtcgcta aacaccttta tacgttttcc acgccgcttg ttttgactgt tagactgtgg	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tcgggaaaat tactccaggc tgtctccatg tgtctccatg tgtgccattg tgtgccattg gctacgccc gacgtggagg cccctatag gttcttagtg ttaacaacgg	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc gcactgccct cattcgagac tgaataatga atgtttcagc gcctgaccgc taattacacc agcgggaagg gcaatcgcgc attccaccgt cgtttggaaa	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccacttta tgatacgaat caacacgcca agtcagcgca acttaaatct aaaggcctac ccaaacctcc aattgtgta tacatcttcc acccggggtt
89821 89881 89941 90001 90061 90121 90181 90361 90361 90421 90541 90661 90721 90781 90961 91021 91081 91141 91201 91261 91321	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cgggggtaa ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag tgtaacgcc aacggtgaca atacgtcgga gatttgtta agggtactct	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aatactacatc acttattatg acgtctatctg gtaacgcaga tagggtttaa tgttaaaaac tattgaggc acacgcaaga cgccagcaaga cactctgaaga cccttgaaga taccgtgtta tagcaacata	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca ttatgtcgc cagggcggcg cacctggcgt atcgtttta aatccccgat taatttccc tacgtcgcta aacaccttta tacgttttcc acgccgcttg ttttgactgt tagactgtgg	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tcgggaaaat tactccaggc tgtctccatg tgtctccatg tgtgccattg tgtgccattg gctacgccc gacgtggagg cccctatag gttcttagtg ttaacaacgg	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc gcactgccct cattcgagac tgaataatga atgtttcagc gcctgaccgc taattacacc agcgggaagg gcaatcgcgc attccaccgt cgtttggaaa	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccacttta tgatacgaat caacacgcca agtcagcgca acttaaatct aaaggcctac ccaaacctcc aattgtgta tacatcttcc acccggggtt
89821 89881 89941 90001 90061 90121 90181 90241 90361 90421 90541 90661 90721 90781 90901 90961 91021 91081 91141 91201 91261 91321 91381	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cgggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag tgtaacgccc aacggtgaca atacgtcgga gatttgtta agggtactct ctttcaatat gtccgtcaa	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aatactacacatc acttattatg acgtctatctg gtaacgcaga tagggtttaa tgttaaaaac tattgaggc acacgcaaga ccagcaaga ccagcaaga ccagcaaga ccagcaaga ccagcaaga ccagcaaca aatataagtc accttgaaga tagcacata tctttgcgta	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca ttatgtcgc cagggcggcg cacctggcgt atcgtttta aatccccgat taatttccc tacgtcgcta aacaccttta tacgttttcc acgccgcttg ttttgactgt ttagactgtg tttaggcccg	acacggggat taagattata tcaatgcttc ttgggaacaa tcgttctgca gttctctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tcgggaaaat tcgggaaaat tactccaggc tgtctccatg tgtctccatg tgtctccatg tcgccagtaa gaacacgcgt gtggccattg gcctacgccc gacgtggagg ccccctatag gttcttagtg ttaacaacgg gaactcaatc	tegetggete ttaaacegce cgtccaatce ttatttggcg aacctaaaaa tgtcgtacet cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccetaa atgggggag cgttagacgc cattcgagac tgaataatga atgtttcagc gcctgaccgc taattacacc agcgggaagg gcaatcgcgc attccaccgt cgtttggaaa cgaagggtga	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccactta tgatacgaat caacacgcca agtcagcgca acttaaatct aaaggcctac ccaaacctcc aattgtgta tacatcttcc acccggggtt agacagagac
89821 89881 89941 90001 90061 90121 90181 90241 90361 90421 90541 90661 90721 90781 90901 90961 91021 91081 91141 91201 91261 91321 91381 91341	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cgggggcggta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag tgtaacgccc aacggtgaca atacgtcgga gatttgtta agggtactct cttcaatat gtccgtcaa tacttttgta	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aatactagagcc tatacacatc acttattatg accttattatg acgcagaaca cgtctatctg gtaacgcaga tagtgttaa tgttaaaaac tattgaggc acacgcaagg cccagcaaca aatataagtc accttgaaga tagcatcata tagcaacata tctttgcgta ctgtcggatt	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca ttatgtcgc cagggcggcg cacctggcgt atcgtttta aatccccgat taatttccc tacgtcgcta aacaccttta tacgttttc acgccgcttg ttttgactgt ttagactgtg ttcccggatgg	acacggggat taagattata tcaatgcttc ttgggaacaa tcgttctgca gttctctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tcgggaaaat tcgtgggaaat tcgtggcaat tgtgggaaat tactccaggc tgtctccatg tgtctccatg tgtctccatg tcgccagtaa gaacacgcgt gtggccattg gcctacgccc gacgtggagg ccccctatag gttcttagtg ttaacaacgg tacgcggcgg gaactcaatc accactctc	tegetggete ttaaacegce cgtccaatce ttatttggcg aacctaaaaa tgtcgtacet cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc cattcgagac tgaataatga atgtttcagc gcctgaccgc taattacacc agcgggaagg gcaatcgcgc attccaccgt cgtttggaaa cgaagggtga ggacacaaac	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaagatct accgccagtt aaattactgc ccccgcatgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccactta tgatacgaat caacacgcca agtcagcgca acttaaatct aaaggcctac ccaaacctcc aattgtggta tacatcttcc acccggggtt agacagagac tccagccgtc
89821 89881 89941 90001 90061 90121 90181 90241 90301 90481 90541 90661 90721 90781 90901 90961 91021 91081 91141 91201 91261 91321 91381 91341 91501	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcgta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag tgtaacgccc aacggtgaca atacgtcgga gatttgtta agggtactct ctttcaatat gtccgtccaa tacttttgta gaatctatc	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aatactaag ctatggacgc tatacacatc acttattatg aacaagagga cgtctatctg gtaacgcaga tagtgttaa tgttaaaaac tattgaggc acacgcaagg cccagcaaca aatataagtc accttgaaga tagcattttgaga tagcacata tcttgcgta ctgtcggatt gcacggctac	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca ttatgtcgc cagggcggcg cacctggcgt atcgttttat aatccccgat taatttccc tacgtcgcta aacaccttta tacgttttc acgccgcttg tttgactgt ttagactgtg gtcccggatgg ggagatgtac	acacggggat taagattata tcaatgcttc ttgggaacaa tcgttctgca gttctctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tcgggaaaat tcgtgggaaat tcgtgggaaat tcgtggcaat tgtgggaaat tactccaggc tgtctccatg tgtctccatg tgtctccatg tcgccagtaa gaacacgcgt gtggccattg gcctacgccc gacgtggagg ccccctatag gttcttagtg ttaacaacgg tacgcgggg gaactcaatc acgacacgg	tegetggete ttaaacegce cgtccaatce ttatttggcg aacctaaaaa tgtcgtacet cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccetaa atgggggag cgttagacgc cattcgagac cattcgagac tgaataatga atgtttcagc gcctgaccgc taattacacc agcgggaagg gcaatcgcgc attccaccgt cgtttggaaa cgaagggtga ggacacaaac atgggttgtg	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaagatct accgccagtt aaattactgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcg ctggccctt ggccactta tgatacgaat caacacgcca agtcagcgca acttaaatct aaaggcctac ccaaacctcc aattgtggta tacatcttcc acccggggtt agacagagac tccagccgtc gccagtaacc
89821 89881 89941 90001 90061 90121 90181 90241 90301 90481 90541 90661 90721 90781 90901 90961 91021 91081 91141 91201 91321 91381 91381 91501 91561	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcgta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag tgtaacgccc aacggtgaca atacgtcgga gatttgtta agggtactct cttcaatat gtccgtccaa tacttttgta gaatctatc gtattcgga	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aatactaag ctatggacgc tatacacatc acttattatg aacaagagga cgtctatctg gtaacgcaga tagttaaaac tattgaggc acacgcaagg cccagcaaca aatataagtc accttgaaga taccgtgtta tagcaacata tctttgcgta ctgtcggatt gcacggctac cctttcatta	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca ttatgtcgc cagggcggcg cacctggcgt atcgttttat aatccccgat taatttccc tacgtcgcta acaccttta tacgttttc acgccgcttg tttgactgt ttagactgtg gtttaggcccg tcccggatgg ggagatgtac tctagcccc	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tcgggaaat tcgtgggaaat tcgtgggaaat tcgtggcaat tgtgggaaat tactccaggc tgtctccatg tgtctccatg tgtctccatg tcgccagtaa gaacacgcgt gtggccattg gcctacgccc gacgtggagg ccccctatag gttcttagtg ttaacaacgg tacgcggcgg gaactcaatc acgacacgc tgggaaac	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc cattcgagac ccattcgagac tgaataatga atgtttcagc gcctgaccgc taattacacc agcgggaagg gcaatcgcgc tattcgacgc tattcagc gcttgaccgc tattcagc gcttgaccgc tattcagc gcttgaccgc tattcaccgt cgtttggaaa cgaagggtga ggacacaaac atgggttgtg atccccctt	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaagatct accgccagtt aaattactgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcgaa tgttctgcgaa tgtaccaattta tgatacgaat caacacgcca agtcagcgca acttaaatct aaaggcctac ccaaacctcc aattgtggta tacatcttcc acccggggtt agacagagac tccagccgtc gccagtaacc acctccgcgg
89821 89881 89941 90001 90061 90121 90181 90241 90301 90481 90541 90661 90721 90781 90901 90961 91021 91081 91141 91201 91321 91381 91381 91501 91561	ggatacggac tgaggttatg aacaaccgga cgaatataac taaaagtacc agaaacttta gtataacctg ccccgcttgg cgaagccatg cggggcgta ggggttacat cacaaccaag gccgcaagca gtgttatact attaccgtac gcaacgtttg gaaccactgg cggcgcgtat acaggtcttc tctaccggag tgtaacgccc aacggtgaca atacgtcgga gatttgtta agggtactct ctttcaatat gtccgtccaa tacttttgta gaatctatc	attaatacac cgctgtaacg ttcttagatg attgctctat cagacctttc cttgattcaa cttatgagcc gcacgccacg ctacaattag aattttgaaa aatactaag ctatggacgc tatacacatc acttattatg aacaagagga cgtctatctg gtaacgcaga tagttaaaac tattgaggc acacgcaagg cccagcaaca aatataagtc accttgaaga taccgtgtta tagcaacata tctttgcgta ctgtcggatt gcacggctac cctttcatta	ttttcaatca ttactgacgc gatgccataa ttcgtttaat cgggaagtac ttaacgtgga agcgccattc tgtattttca cgctatcgga gtttataacc cctctgtaca aacgcagatt ctggacacag caaaaactca ttatgtcgc cagggcggcg cacctggcgt atcgttttat aatccccgat taatttccc tacgtcgcta acaccttta tacgttttc acgccgcttg tttgactgt ttagactgtg gtttaggcccg tcccggatgg ggagatgtac tctagcccc	acacggggat taagattata tcaatgcttc ttgggaacaa tcgtgtgaaa tcgttctcaa agcacatcaa actgtccccg cgttaatacc acacaaaggg accttggtta tcgggaaat tcgtgggaaat tcgtgggaaat tcgtggcaat tgtgggaaat tactccaggc tgtctccatg tgtctccatg tgtctccatg tcgccagtaa gaacacgcgt gtggccattg gcctacgccc gacgtggagg ccccctatag gttcttagtg ttaacaacgg tacgcggcgg gaactcaatc acgacacgc tgggaaac	tcgctggctc ttaaaccgcc cgtccaatcc ttatttggcg aacctaaaaa tgtcgtacct cagcgttaca atgcacttgg ggatcgtggc atatatggac cctctaacaa gagaaagcgg taacacagaa acgtccctaa atgggggag cgttagacgc cattcgagac ccattcgagac tgaataatga atgtttcagc gcctgaccgc taattacacc agcgggaagg gcaatcgcgc tattcgacgc tattcagc gcttgaccgc tattcagc gcttgaccgc tattcagc gcttgaccgc tattcaccgt cgtttggaaa cgaagggtga ggacacaaac atgggttgtg atccccctt	aactaatatt cggtttggcg ctacaaaaca cccgcgtaac aaaagatct accgccagtt aaattactgc cgcggataaa atccataggg tgcactgaac acacatttgt cggtctttcc gtttgccgaa tgttctgcgaa tgttctgcgaa tgtaccaattta tgatacgaat caacacgcca agtcagcgca acttaaatct aaaggcctac ccaaacctcc aattgtggta tacatcttcc acccggggtt agacagagac tccagccgtc gccagtaacc acctccgcgg

91681	taggacacaa	gccggatatc	taccgtcttc	aaacaqcctq	tacaactaca	agatcqttqq
01741					2010000121	attacacata
91/41	atggcaaagt	ttgatttcag	egeetttttt	CCCacgatat	actycyctat	guttettatg
91801	cattttagat	taggcaaaat	cqtcctqqct	agaatgcgtc	gaggaatggg	gtgcctaaaa
01061	cacacattaa	tgtctttttt	tagaaaatta	coocacatac	tecegantat	atacaaaact
91921	attatttta	tagccaatga	aattagcctt	tgcgtcgaac	aaacggcctt	ggaacagggc
		gtacttatat				
21201	ccegccacac	geacecacae	uuuugutggu			
92041	cgcaatgtat	gttcagatca	ggcacgttgt	teggeettaa	atttagcggc	cacctgcgaa
92101	agagcagtca	cgggcttatt	acqaattcaa	ctaggtctta	actttacacc	cqccatqqaa
02161	accatactac	aggtagaga	tatatagast	cacccattta	cataatataa	cacacacaca
92101	deggtacted	gggtcgaggg	tgtgtacact	cacycattta	cciggigiac	cacgggaagc
92221	tggctgtgga	atttacaaac	aaacacgcct	ccggatttag	ttggcgtgcc	atggcgaagt
92281	cadacaacac	gagatttaaa	ggagggtctt	traggarter	tatotaccoc	aacaaaaatt
22201	caggeggege	gagacccaaa	994969666			
92341	cgagaacgga	tacaggaaaa	ttgcatatgg	gaccatgtcc	tatacgacat	atgggccgga
92401	caaqttqtqq	aggctgccag	aaaaacatac	gtcgattttt	ttgaacatgt	ttttqatcqc
02461			asatattasa	gaggaaaa++	7777	aggaatagg
		cggtatactg				
92521	gcatcttatc	tgacatacgg	acacatgcaa	gataaggatt	ataaaccaag	acagataatt
		atcccaaccc				
22501	# # - #				+	*********
		gtattccccc				
92701	tttgtcacta	ttattaacca	tcttctagat	gctcataatg	atttttcaag	tccatcattg
		acgatcccct				
02021	000000000	aastaattaa	22522227	ttatttagtt	tagaaggggt	cotosatttt
92021	ccycaacaac	ccatccttaa	aataaaayyt	Clatitacti	tacaacccgc	ggtgaatttt
92881	tatacgtttc	aaataactga	acatttttcg	gtgttaccat	ggtgcgattt	aaccaccaaa
92941	aatatacqct	cttctgatat	tccqaatctc	qtaaaqqtcc	atttaacaat	cccqqqqqqta
		accatctgga				
93061	ccccacatga	atatatagcc	tttataatat	tgggggccgt	tccaggctga	gggttcagta
93121	acttaacaaa	catataatgc	ggcaatacgc	agattttat	aaaggggttg	ttatcaacqa
		agtgtttaac				
		tatttgacac				
93301	atggagatgc	cccggagggc	ccaatqcctt	ccagatacat	taaaataaca	cataaggtaa
		attatccggg				
		atacacccta				
93481	acqctqqttq	agtaacacac	tccatgtagt	aacgatcaca	ggacacctca	cttgaatcac
		tactaaaacg				
93601	agtttgccaa	aaagcgtggc	Licaaaccyy	ctacctcccg	cyccicycat	acgaatettg
93661	gtattgcttg	tattctaaga	tcttcgatca	cgtcgctcac	atccaacccc	tcttcggctc
93721	gtgttagtaa	gttgtcgatc	gttacgctgc	aacctaaaat	gctgggtata	tttattccqq
02701	agatgggatg	ggccatcccc	acacetecaa	tttactcaaa	ttttatccac	taaggtcgaa
93841	tccgctgcat	ttaccttgtg	tacccgtaac	ctctcagggg	ggtgtccttt	cataaaatgg
93901	gataggtttt	tatatccaac	atgcatgtat	tqqttattta	ttttattggg	ttccgggatt
		cttctgtagg				
94021	ccccgtttta	ttacctctgc	gcgaacctgc	atttcatata	atattcggat	ttgggataaa
94081	taggactctg	ttctcgcctt	tttaaaaata	gcctggcata	actcttcctc	tgacctatgt
0/1/1	acctcccttt	gagttaccaa	gaatootaat	caaataaccc	gtaatatgaa	tgaaaaatac
74141	accongector	gagecaccaa	gaacccaac	0999099000	goddodddau	
		gtaatgagat				
94261	ttattqttta	cccggtgaag	cttaaaacaq	cgaacaagtt	cctgtttcca	tagctcagac
		tatcatctcc				
04001	daacyccca		acaagggggg			
94381	tatgcatcat	cccctattat	gccggtaaga	tetataaeet	cgigatitaa	accyycaaca
94441	cgtgtttctt	ctgccattgt	aatatgtgac	cctttagatg	gctttatttt	taccctctct
		gtttcagctc				
		gaccctcaat				
94621	ttgatactgt	taaccaccga	agttttaaac	gcactttgaa	cgtttgttgt	tccggacatt
94681	accededeat	taaaggattg	attaacetta	ccaaaccccq	attataatat	gtccaccgat
		ccagaatgtg				
94801	atatctccaa	catgtctcat	gttttttaag	ttaactatta	gctttacaag	tctagacgcg
94861	gccgatccag	cccgtgttgt	atcqttctcq	cccattatac	gatcaaccgc	acqtqtqctq
		catcttcatt				
		cgcgagcatg				
95041	cgctgtaagg	gtgagtcaaa	tactacaccc	tccccacata	caacgggcgg	ccacacgacc
		ccttcatgcc				
		gacgcgtcct				
95221	aggcttgtga	caaccgccgc	tcctctggcc	aacgttgcat	cggcaacttt	taacatctgg
95281	gacagttctg	ccgcttgacc	catatacqta	tttaatqqtq	caggggttcc	attctqttct
		ttcttacaac				
	gcaaaaccga	cccttccatt	taaaccactq	gtatagagac	aaccggttat	tccacgcaga
95461					caaaaacctq	
	aactcaagta	acgatgactg	taatgtttga	cgccaggttt		atgtgcaagc
	aactcaagta		taatgtttga	cgccaggttt		atgtgcaagc

95581	ttacattqtt	ggatgtggtg	ttcccaatct	actactagat	cctcataccq	agttgcatcc
		tcaaaacggt				
95701	gcgctatata	tgccttgtcc	atcqqtatat	ccaaagtcac	cggctaggat	ttttcgaaac
		gcgtggttgg				
95821	aaccctatat	ccggggcgta	ctcattccag	tatatatcga	acatgttctt	gtattggtca
95881	tttgggttac	ttccattcaa	gccctggtca	atagaaacag	aacttgctat	ccttttttct
		aactgttatt				
96001	aaqatcaatt	tctgtagaca	gttcttcacc	caaaaacgtt	tttaatccag	agacgcccaa
		gacagtgtat				
96121	ctcacggatt	cgagaacttg	ccgcaattac	gattccaaaa	gaacgtgttc	cgcggttgtg
96181	ttggtttaaa	cagttactcg	aactgcaagc	gcctcctgaa	atgcagagga	atgageteee
96241	ctteteegtt	tatttaatta	geggaaatge	eggeteegga	aaaagcacgt	gtatecaaac
96301	gcttaacqaa	gctatcgatt	gcattattac	cggatccacc	agggttgctg	cccaaaatgt
		ttatcaacgg				
96421	tggttttcgc	ggaaatcaca	ttcaggctca	gctgggccgt	tacgcatata	actggactac
96481	gacccccct	tctattgagg	acctgcaaaa	aagagatatt	qtatactact	qqqaaqtttt
		acaaaacgag				
96601	atttaaaacc	ctgtgggcaa	ttgaacgttt	gcttaataaa	cctacaggct	caatgtccgg
96661	aaccgcgttt	atcgcatgcg	gttcccttcc	ggcttttacc	cggagcaacg	ttattgttat
		ggattgctag				
96781	tttgaatgct	atatatcaaa	gccctcagta	cataaacggt	cgaaaaccgg	tcatagtatg
96841	catcaattca	cccacccaaa	ctgactcgtt	agaatctcat	tttcaacatq	acatgcagcg
		actcctagtg				
96961	tcaatatact	aacatctcac	ataactgggc	aatctttatt	aataacaaac	gatgtcaaga
		ggaaatcttt				
		gtcgatacat				
97141	tcccqqatqq	acgcgtctgt	attcqtcqca	taaggaggtg	agcgcgtata	tgagtaagtt
		ttaaaactat				
		cggctaacgg				
97321	ttctgttgaa	cattggatac	gggcaaactc	cggtcgtttg	cacaattatt	cccaaagccg
		atgggaacag				
		atcacttacg				
97501	gttagttatt	ggattcagtg	gtacatttca	atcgtttgca	aaggttttac	gtgacgactc
		gctcgaggag				
		ggcttgatta				
97681	taaggtatcg	ttagcataca	aacggttagc	tgccttaacc	ctggagttat	tgtctggaac
		cccttacacg				
97801	tggtgcagct	acttctgccg	ataaagcctt	ctgctttacc	aaagcccccg	agtccaaagt
97861	aacggcctcc	atacccgaag	acccqqatqa	tgtaattttt	acggcactta	acqacqaqqt
		gtatactgcc				
97981	tgctcagttt	ctgttaatga	aagctattta	cgatggtcga	tatgccatat	tagcagagct
98041	tttcqaaaqc	agctttacaa	ccacccctt	tagcgcgtat	gtcgataatg	ttaatttcaa
98101	CCC 3 CCC 3 C	cttttgatcg	acaatataca	aaaaaaaata	ttatctttcc	cattacasac
98161	agatacgtat	acccttttgg	ggtatacttt	tgcacccgtg	ccagtctttg	tagaggaact
98221	gacccgaaaa	aagctgtacc	gcgaaactac	cgaaatgtta	tatgctctac	acqtacctct
		caggatcaac				
		atagaggatg				
98401	ttctaaacta	gccatgacaa	ttqcacqctc	acagggtctg	aqtttaqaqa	aggtagctat
		gcggataaac				
		ttcttaaaaa				
98581	agaaattagc	gatcacattc	ttaccactct	acqtqatccc	aacqtacacq	ttqtqtatta
		taaaaacacg				
98701	atacacccgc	catgagcatc	tctggacccc	caacgacgtt	tattttatat	aggttacatg
98761	gggttaggcg	ggttcttcac	tqqactttac	cqqatcatqa	acaaacactc	tacqcattta
		aagatcaatg				
		ccttcaacac				
98941	acttttcatc	atacgcattt	acgcaccqqq	atttccactt	acaggacaaa	ccccacqcaa
		gccgtttatg				
		ggtactatcc				
99121	ttatatacqq	tttacgggta	aacagacctq	acgatcagac	cacaccaaca	ccaaccccqc
		atcgcaaagg				
		atcagacgac				
99301	aaagacaqat	tcaagactaa	catttatccc	aactgattac	atttcatacq	cgaataaacq
	acacaaaaaa	tttatattta	acaacere	arrrgaagac	acctatcctc	rraacorroa
	acacaaaaaa					
		aggttgggtg				

<b>*</b>						
99481	ttacggcagt	ctgaccattt	accagtgtat	gtctgtaata	cgacgttgtt	gtgtcccgac
		cgcgtacaaa				
		gttctcgtac				
		tccttatgta				
		ggacgcgatt				
		ctctcgtaca				
		tgcaggctct				
		cgtgacacgc				
		gcgttcataa				
		atagatgata				
		cagcccgcgt				
		ttctgaacac				
		tgcaatcccc				
		attatggtac				
		cgcctttacg				
		cacgggacaa				
		gggttgtctt				
		ataacctctg				
		gagtcccgcg				
		tctccaggca				
100681	agggccgcaa	aaatatttt	aagactagac	ggtggtgtta	tgccacgttt	tacactaaac
		gtgcatgtcc				
100801	atgctctggg	gtccgcaaaa	tcgcgtccat	gcaaaaatat	cgcctgtaga	tggaagtatt
100861	tcttcccctg	aatttaaaag	acgattgtat	tctaaaaaaa	tacctttcgc	gtacggctct
100921	ttaagttcgt	ccgacaacag	gtcataccac	tcaggggaaa	tgttaaactt	gctgaaaact
100981	tcaaccgaat	ccagttgcga	agagacgggg	gtgaacgttt	ccgtgtcgta	atgatgtgac
101041	atgttattta	acttgaaggt	tggggggtct	agcttaaccc	ccaaaggcag	cccgcggggt
101101	cgcttgcggg	tttttttggt	aaccggatgg	gccaaaacat	aaatgtcctt	tgaatccgat
		cattggcata				
		tttgtggaag				
		cgtatgtccc				
		tatggatttg				
		ggacattttg				
		gccgcatagt				
		acatccgata				
		tacgcgattg				
		acgcttgtgt				
		aatggaagca				
		gtgtcatatc				
		gacaaagcga				
		cgtattaagc ggaaaacaga				
		ttcaagcgga				
		cttggatcta				
		aacttaaaac				
		tgagattgat				
102241	tatttctaag	cattcttagt	acatacttaa	cagcgtgctt	aaaatatcaa	ccaatatcca
		cgtttccttc				
		ctaattcacc				
		tggcatttta				
		caaaactaaa				
		caagtttgct				
		taattgctat				
		ttttcccgtc				
		agaggtgtat				
		agggcggagc				
102841	attgtatttg	cagagcagga	tgccccggtt	actccgagac	cggattgcgg	gcattccgaa
102901	tcgtgtacgg	acttaccagg	gggcagtatt	tacaccttgg	gttccagata	taccaaccct
102961	tacgaccaat	agcaacactc	aggtatttt	aaaatgcacg	tttaatgatc	ataatttaca
		aataaagcag				
		cttcatcttg				
		tttcagtgaa				
		ggcaactttg				
		tgttaagcat				
103321	caccccttgc	gcttcccggt	ttaatccccg	gtaacacaga	aaaaagcctg	actttttggg

## Lucas, Zacharia

To:

STIC-Biotech/ChemLib

Subject: article request

Examiner#: 79253 Zachariah Lucas

Art Unit : 1648

Phone Number: 308-4240

Date: 9-23-2003

Serial Number: 09831000

MailBox & Bldg/Room Location: 8e12/8d16 Results Format Preferred (circle): Paper

Could you please send me a copy of the following article(s).

Author (if known): Davison et al

Article Title:

Journal or Book Title: Journal of General Virology

Pages if a Journal: 1759-1816

Volume and Issue if a Journal:67 (py 9)

Year of Publication: 1986

Thank you, Zac Lucas